Form No. 1

Canadian Health Measures Survey - Cycle 5 - 2016 to 2017

Clinic Questionnaire

Statistics Canada   Statistique Canada

Canada

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Purpose:

Data Capture

Selected Case Start Block (SCS)

SCS_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
INTVLANG: language of application during the household interview (either English or French)
AWC_AGE: age of respondent
INTNAME: name of household interviewer
BCA_B32_DAY: day of clinic appointment booked for the respondent during the household interview
BCA_B32_MONTH: month of clinic appointment booked for the respondent during the household interview
BCA_B32_YEAR: year of clinic appointment booked for the respondent during the household interview
BCA_N33: time of clinic appointment booked for the respondent during the household interview
C2_YEAR: year of household interview
C2_MONTH: month of household interview
C2_DAY: day of household interview
PERMNOTE: household "permanent" note

Variables assigned in Variable Creation (Appendix II):
DryRun: indicator of whether the case is a dry run case
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
HouseholdContact: name of household contact
RespondentName: name of respondent
GenderE: English text for sex of respondent
RespLangE: English text of the language of the Health component interview
RespNeedE: English text of the special needs of the respondent
TelephoneNumber1: telephone number of the respondent
TelephoneNumber2: telephone number of the respondent
TelephoneNumber3: telephone number of the respondent
BestPhoneNumber: best telephone number to contact the respondent
PregnantE: English text of whether respondent is pregnant
DiabetesE: English text of whether respondent has been diagnosed with diabetes
AppointmentE: English text of the selected type of clinic appointment
PTCTextE: English text of preferred time to call

Variables from booking desk :
BHV_B12.DAY: day of home visit
BHV_B12.MONTH: month of home visit
BHV_B12.YEAR: year of home visit
BHV_N13: time of home visit
BCA_B32.Day: day of clinic appointment
BCA_B32.Month: month of clinic appointment
BCA_B32. Year: year of clinic appointment
BCA_N33: time of clinic appointment

Note: There are no headers for this block

SCS_N11

INSTRUCTION: Verify all information that appears on the screen. If there is an error in any of this information, inform the coordinator immediately. The coordinator will verify and correct the information as necessary.
Press <1> to continue.

1   Continue
(DK, RF not allowed)

Programmer:

Display the following information on the screen (using the example below as a template):

Stand : ^STAND   Date : ^CurrentDate   Session : essionE   Clinic ID : ^CLINICID

Respondent Information:
Name :   ^RespondentName
Clinic ID : ^CLINICID
Age :   ^AWC_AGE
Sex :   ^GenderE

Household Telephone Number :   ^TelephoneNumber1
Best Telephone Number :   ^BestPhoneNumber
Preferred Time to Call :   ^PTCTextE

Diabetic :^DiabetesE
Pregnant :   ^PregnantE

Household Interview Information:
Interviewer :   ^INTNAME
Appointment Date :   ^SCSD11BTextE
Language of interview :   ^RespLangE
Special Needs: ^RespNeedE
Notes :   ^PERMNOTE

Appointment Information:
Appointment :   ^AppointmentE
Appointment Type: ^AptTypeTextE
Appointment Date :   ^SCSD11ATextE
Appointment Time :^AptTime

Notes:
The field can be left empty, and should not be included on the returned data file.

SCS_N12

INSTRUCTION: Display the following information on the screen:

Stand : ^STAND   Date : ^CurrentDate   Session : essionE   Clinic ID : ^CLINICID

    Household Contact :   ^HouseholdContact
    Respondent :   ^RespondentName
    Age :   ^AWC_AGE
    Sex :   ^GenderE
    Language of interview : ^RespLangE
    Notes :   ^PERMNOTE

Select the operation to be performed.

3　　　　　　Start Clinic Visit
4　　　　　　Capture Home Visit
(DK, RF not allowed)

SCS_END

Respondent Verification (RVB)

RVB_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier AWC_AGE: age of respondent AWC_YOB: year of birth of respondent AWC_MOB: month of birth of respondent AWC_DOB: day of birth of respondent RespondentName: name of respondent
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place ShortRespName: first 4 letters of LNAME plus first 3 letters of FNAME IntLangE: English text of language of application during the household interview (either English or French) GenderE: English text for sex of respondent SCS_N12: visit type
	Screen display: The following header should be displayed for each question: Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE

RVB_C11	If SCS_N12 = 4, go to RVB_END. Otherwise, go to RVB_N11.
RVB_N11	<u>INSTRUCTION</u>: Press <1> to print the Participant's personal information form. 1 Print the form (DK, RF not allowed)
Programmer:	*"AWC_MOB" and "AWC_DOB" should be displayed in numbers and always be 2 digits long. Add a leading zero for values from 1 to 9.* *The form should be printed English/French.*
RVB_R11	**Here is the first of several forms we will be asking you to complete. Please read it carefully and provide the information requested.**

INSTRUCTION: Provide the respondent with the English/French double-sided Participant's personal information form.

When the respondent returns the form, check to ensure that all requested information has been filled in and is legible.

Press <1> to continue.

RVB_N12

INSTRUCTION: Press <1> to print the label with the respondent's CLINICID as a bar code identifier.

- Stick the first label onto a bracelet
- Attach the bracelet around the wrist of the respondent.

1   Print the label
(DK, RF not allowed)

Programmer: *Use TYPE 2 Label*

RVB_END

Name Spelling Confirmation (NSC)

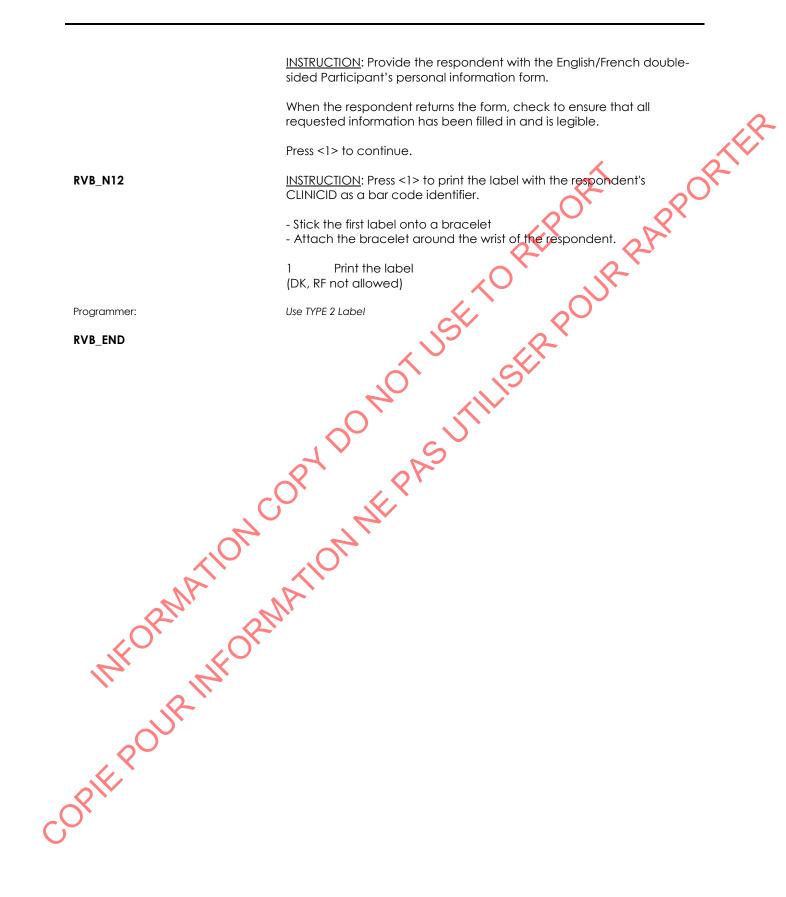|	
NSC_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier FNAME: first name of respondent LNAME: last name of respondent AWC_AGE: age of respondent
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place RespondentName: name of respondent GenderE: English text for sex of respondent

	Screen display:
	The following header should be displayed for each question:
	  Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE
	  Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE

NSC_C11	If RespondentName = EMPTY, go to NSC_N13. Otherwise, go to NSC_N11.
NSC_N11	<u>INSTRUCTION</u>: Record whether ^RespondentName's name is spelled correctly.
	1 Yes (Go to NSC_D15) 2 No (DK, RF not allowed)
NSC_N12	<u>INSTRUCTION</u>: Record whether corrections are to be made to:
	1 ...the first name only? 2 ...the last name only? (Go to NSC_N14) 3 ...both names? (DK, RF not allowed)
NSC_N13	<u>INSTRUCTION</u>: Enter the first name only.
	_____
	(25 spaces)
	(DK, RF not allowed)
Programmer:	*Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NSC_C14   If NSC_N12 = 1 (first name only), go to NSC_D15.
Otherwise, go to NSC_N14.

NSC_N14   <u>INSTRUCTION</u>: Enter the last name only.

(25 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NSC_END

Sex Confirmation (SXC)

SXC_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
AWC_AGE: age of respondent
SEX_Q01: sex of respondent

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
GenderE: English text for sex of respondent

Variables from previously completed blocks:
RespondentName: name of respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

SXC_C11

If SEX_Q01 = EMPTY, go to SXC_N12.
Otherwise, go to SXC_N11.

SXC_N11

<u>INSTRUCTION</u>: Record whether ^RespondentName's sex is correct.

1	Yes	(Go to SXC_D13)
2	No	

(DK, RF not allowed)

SXC_N12

<u>INSTRUCTION</u>: Record ^RespondentName's sex.

1   Male
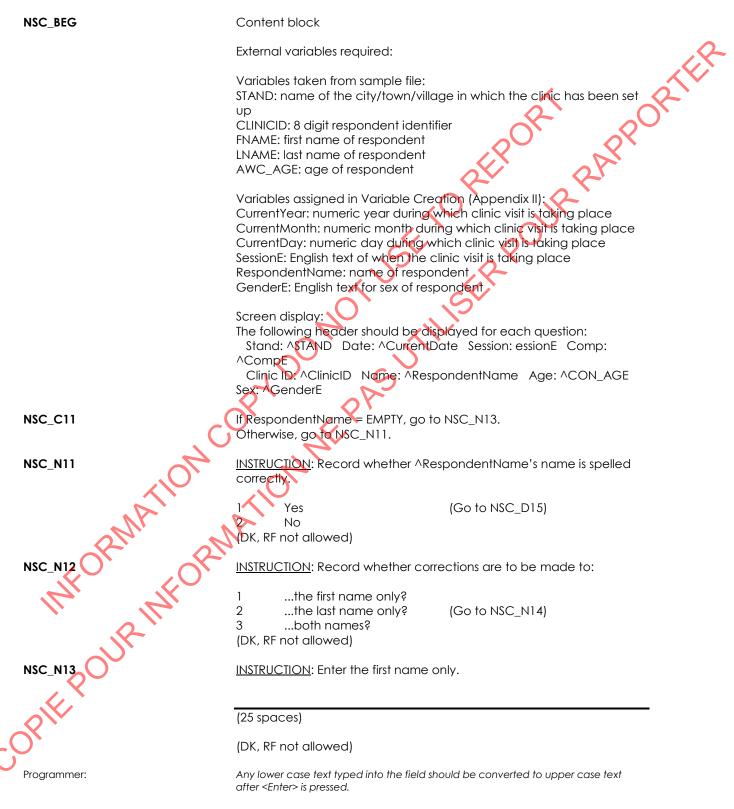2   Female
(DK, RF not allowed)

SXC_END

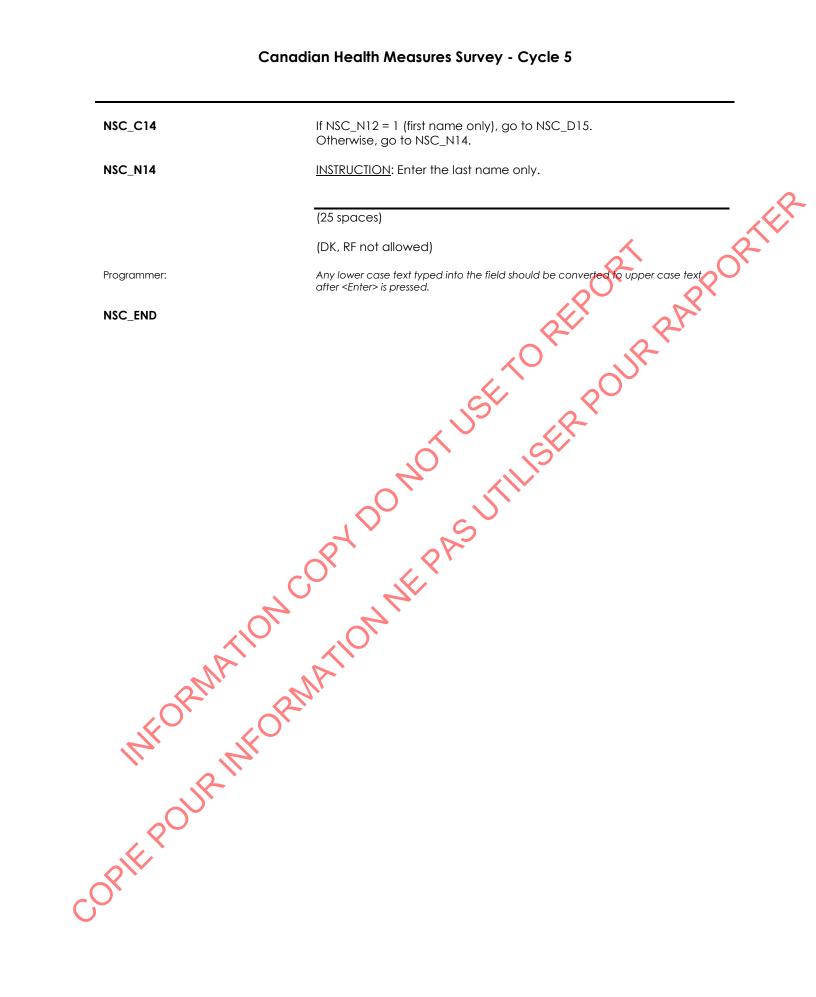## Language Confirmation (LNG)

LNG_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE
  Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE
Sex: ^GenderE

LNG_N11

INSTRUCTION: Record ^DT_RESPONDENTNAME's preferred official language.

1   English
2   French
(DK, RF not allowed)

LNG_END

If necessary, change the application language to correspond to the response to LNG_N11.

Consent (CON)

CON_BEG
Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
DryRun: whether the case is a dry run case
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentFirstName: first name of respondent
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
LNG_N11: respondent's preferred official language
SCS_N12: visit type

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

CON_C01
If SCS_N12 <> 4, go to CON_N01.
Otherwise, go to CON_D01.

CON_N01
INSTRUCTION: Press <1> to print the Consent form(s).

1   Print the form(s)
(DK, RF not allowed)

Programmer:

IF DryRun in (1, 2) THEN
   IF LNG_N11 = 1 THEN
     Print ConsentDRYRUN_E.docx
   ELSE
     Print ConsentDRYRUN_F.docx
   ENDIF
ELSE
   IF LNG_N11 = 1 THEN
     IF CON_AGE < 6 THEN
       Print Consent3_5_E.docx
     ELSE IF CON_AGE < 14 THEN
       Print Assent6_13_E.docx
       Print Consent6_13_E.docx
     ELSE
       Print Consent14+_E.docx
     ENDIF
   ELSE
     IF CON_AGE < 6 THEN
       Print Consent3_5_F.docx
     ELSE IF CON_AGE < 14 THEN
       Print Assent6_13_F.docx
       Print Consent6_13_F.docx
     ELSE
       Print Consent14+_F.docx
     ENDIF
   ENDIF
ENDIF

CON_Q11

Before we start the clinic tests, we need to ensure you have reviewed the *Information and Consent Booklet* that was given to you during the interview at your home. Did you have a chance to read that booklet?

INSTRUCTION: Show the respondent the *Information and Consent Booklet*.

1   Yes
2   No
(DK, RF not allowed)

CON_C12

If CON_Q11 <> 2, go to CON_R12.
Otherwise, go to CON_R13.

CON_R12

Do you have any questions about any of the information in the booklet or about the clinic portion of the survey?

INSTRUCTION: Answer any questions as thoroughly as possible.

Press <1> to continue.

Go to CON_R14

CON_R13

Here is a copy of the *Information and Consent Booklet*. Please take a few minutes to read through it. If you have any questions about the information in the booklet or the clinic tests, I can answer them for you.

INSTRUCTION: Hand the *Information and Consent Booklet* to the respondent and give him/her time to read through it (approximately 5 minutes).

Press <1> to continue.

CON_R14   **Here is the Consent form for participation in the clinic portion of the survey. Please read the form carefully and check either the "Yes" or "No" box for each item.**

INSTRUCTION: Provide **[the parent or guardian/the respondent]** with the Consent form.

Check to ensure that it has been completed correctly.

Sign the form as the witness.

Press <1> to continue.

CON_R15   **I am now going to enter that information into our computer system. I may have some additional questions about your responses.**

INSTRUCTION: Press <1> to continue.

CON_C15   If CON_AGE < 14, go to CON_N15.
Otherwise, go to CON_D16.

CON_N15   INSTRUCTION: Record whether the parent or guardian has consented to the respondent participating in the physical measure tests.

1   Yes
2   No   (Go to CON_END)
(DK, RF not allowed)

CON_C16   If CON_AGE > 5, go to CON_R16.
Otherwise, go to CON_C18.

CON_R16   **Your parent or guardian has said you can take part in the tests today. If you would like to participate we need you to write or print your name on this form.**

INSTRUCTION: Provide the child with the Assent form.

Check to ensure that it has been completed correctly.

Sign the form as the witness.

Press <1> to continue.

CON_N16   INSTRUCTION: Record whether the respondent has [consented/assented] to participating in the physical measure tests.

1   Yes
2   No   (Go to CON_END)
(DK, RF not allowed)

CON_C18	If DRYRUN = 3 and SCS_N12 = 3 and CON_AGE > 5, go to CON_N18. Otherwise, go to CON_N21.
CON_N18	INSTRUCTION: Record whether [the parent or guardian/the respondent] has consented to having [^RespondentFirstName's/his/her] x-rays taken.

1   Yes
2   No
(DK, RF not allowed)

CON_N21	INSTRUCTION: Record whether [the parent or guardian/the respondent] has consented to receiving reports of [^RespondentFirstName's/his/her] test results.

1   Yes
2   No
(DK, RF not allowed)

CON_N23	INSTRUCTION: Record whether [the parent or guardian/the respondent] has consented to allowing Statistics Canada to test [^RespondentFirstName's/his/her] blood and urine for [contaminants that might require/diseases and contaminants that might require] mandatory reporting in his/her province of residence, and to contact him/her as well as the appropriate provincial authorities if the results are outside the established reference range and require a follow-up.

1   Yes
2   No
(DK, RF not allowed)

CON_C23	If CON_N21 = 2 and CON_N23 = 1, go to CON_R23. Otherwise, go to CON_C24A.
CON_R23	**You have indicated on the Consent form that you do not want to receive reports of [your/^RespondentFirstName's] test results. However, you have agreed that Statistics Canada can test [your/^RespondentFirstName's] blood and urine for reportable [contaminants/diseases and contaminants]. I just want you to be aware that, by agreeing to have these tests done, you will receive the results if they are positive.**

INSTRUCTION: Answer any questions as thoroughly as possible.

Press <1> to continue.

CON_C24A	If DRYRUN = 3, go to CON_C24B. Otherwise, go to CON_END.
CON_C24B	If CON_AGE < 14, go to CON_N24. Otherwise, go to CON_N25.
CON_N24	INSTRUCTION: Record whether the parent or guardian has consented to storage of the respondent's blood and urine for use in future health studies.

1   Yes
2   No
(DK, RF not allowed)

Go to CON_N26

CON_N25   INSTRUCTION: Record whether the respondent has agreed to storage of blood and urine for use in future health studies.

1   Yes
2   No
(DK, RF not allowed)

CON_N26   INSTRUCTION: Record whether [the parent or guardian/the respondent] has agreed to storage of DNA for use in future health studies.

1   Yes
2   No
(DK, RF not allowed)

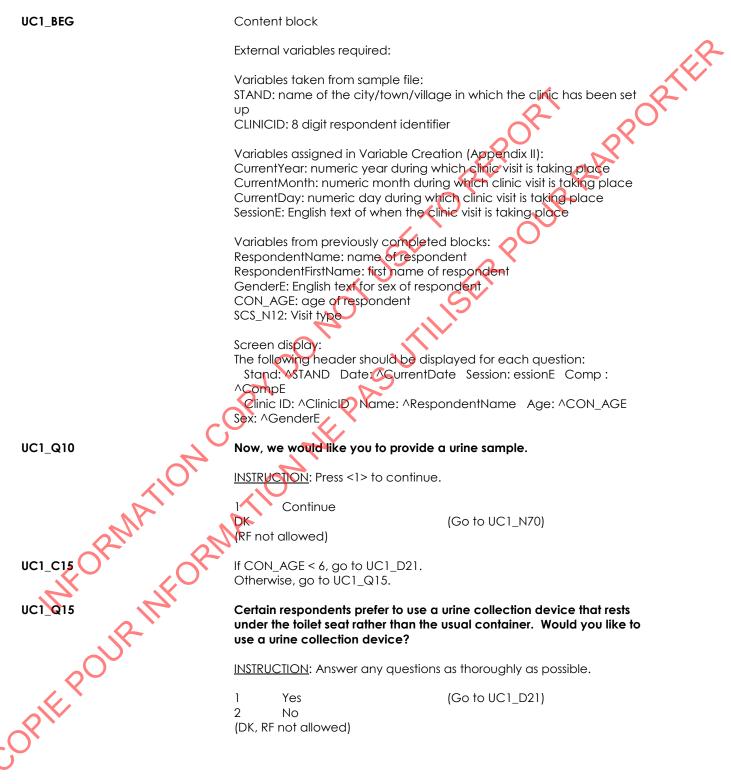**CON_END**

Urgent Condition (URG)

URG_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
TelephoneNumber1: First telephone number of the respondent
TelephoneNumber2: Second telephone number of the respondent
EMAILADDRESS: E-mail address of respondent or of parent/guardian (if less than 14 years old)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentFirstName: first name of respondent
RespondentName: first and last name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
LNG_N11: respondent's preferred official language
CON_N15: whether a parent or guardian has consented to the respondent participating in the physical measure tests
CON_N16: whether the respondent has consented to participating in the physical measure tests

Screen display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

URG_C04   If CON_N15 = 2 or CON_N16 = 2, go to URG_END.
Otherwise, go to URG_C05.

URG_C05   If TelephoneNumber1 = EMPTY and TelephoneNumber2 = EMPTY, go to URG_D10.
Otherwise, go to URG_R06.

URG_R06   **I would like to confirm the telephone numbers we have on file.**

                              <u>INSTRUCTION</u>: Press <1> to continue.

URG_Q07   **Is ^TelephoneNumber1 correct?**

1	Yes	(Go to URG_C08)
2	No	

(DK, RF not allowed)

Programmer:	*If "Yes" is selected, copy the values from the displayed telephone number into the respective URG_B07 phone number fields and go to URG_C08.*
URG_B07	Call the North American Telephone (NATP) block. See Appendix I.
Programmer:	*Pass the following parameters:* *DV_QTEXT_E = "**What is the correct phone number?**"* *ASKEXT = 2 (No).*
URG_C08	If TelephoneNumber2 = EMPTY, go to URG_D10. Otherwise, go to URG_Q09.
URG_Q09	**Is ^TelephoneNumber2 correct?**

1	Yes	(Go to URG_C11)
2	No	

(DK, RF not allowed)

Programmer:	*If "Yes" is selected, copy the values from the displayed telephone number into the respective URG_B09 phone number fields and go to URG_C11.*
URG_B09	Call the North American Telephone (NATP) block. See Appendix I.
Programmer:	*Pass the following parameters:* *DV_QTEXT_E = "**What is the correct phone number?**"* *ASKEXT = 2 (No).*
URG_C09	If 1=1, go to URG_C11. Otherwise, go to URG_C11.
URG_Q10	**Is there [a/another] phone number that can be used to reach you?**

1	Yes	
2	No	(Go to URG_C11)
DK, RF		(Go to URG_C11)

URG_B11	Call the North American Telephone (NATP) block. See Appendix I.
Programmer:	*Pass "**What is it?**" as parameter.*
URG_C11	If EMAILADDRESS = DK, RF or EMPTY, go to URG_Q11. Otherwise, go to URG_B12.
URG_Q11	**Can you provide us with an e-mail address?**

1	Yes	
2	No	(Go to URG_N13)
DK, RF		(Go to URG_N13)

URG_B12	Call the Electronic Address block (EA)
Programmer:	*SPECRESPNAME = RespondentFirstName*
URG_N13	<u>INSTRUCTION</u>: Is the respondent in a wheelchair?

	1 Yes
	2 No
	(DK, RF not allowed)

URG_C14   If URG_N13 = 1, go to URG_Q14.
                                                     Otherwise, go to URG_D20.

URG_Q14   **The laboratories that analyse the urine samples require that these samples are provided without the use of a catheter. For this reason, we need to know if you use a catheter.**

INSTRUCTION: Record if the respondent is using a catheter.

1   Yes
2   No
DK, RF

URG_END

Urine Collection 1 (UC1)

UC1_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
RespondentFirstName: first name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: Visit type

Screen display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp : ^CompE
   Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

UC1_Q10   **Now, we would like you to provide a urine sample.**

INSTRUCTION: Press <1> to continue.

1   Continue
DK   (Go to UC1_N70)
(RF not allowed)

UC1_C15   If CON_AGE < 6, go to UC1_D21.
Otherwise, go to UC1_Q15.

UC1_Q15   **Certain respondents prefer to use a urine collection device that rests under the toilet seat rather than the usual container. Would you like to use a urine collection device?**

INSTRUCTION: Answer any questions as thoroughly as possible.

1   Yes   (Go to UC1_D21)
2   No
(DK, RF not allowed)

UC1_R20   **Please use this container to collect the urine sample.**

- Once you are in the washroom, you will need to remove the lid and place it on the shelf, the inside of the lid facing up.
- Do not touch the inside of the container.
- Fill the container as full as possible and put the lid back on tightly.
- Once you are finished, please rinse and dry the exterior of the container. Wash your hands, place the container in the paper bag provided and bring it back to me.

INSTRUCTION: Demonstrate how to remove the lid using the sample container and ensure the respondent understands what is meant by placing the lid on the shelf "with the inside facing up".

Answer any questions as thoroughly as possible.

Press <1> to continue.

Go to UC1_C30

UC1_R21   **^DT_UC1R21ETo use the urine collection device:**

- You will need to lift the toilet seat and install the collection device.
- Ensure it fits snugly in the front of the toilet with the edges resting over the lip of the bowl.
- Lower the toilet seat.

INSTRUCTION: Show the sample urine collection device to the respondent or parent/guardian and demonstrate which end is the front.

Answer any questions as thoroughly as possible.

Press <1> to continue.

UC1_R22   **To collect the urine, ensure you are sitting on the toilet seat in such a way that the urine stream is collected in the device.**

Try to collect as much urine as possible and avoid touching the inside of the collection device.

INSTRUCTION: Press <1> to continue.

UC1_R23   **[Once ^RespondentFirstName no longer requires your assistance/Once you are finished]:**

- Remove the lid of the container and place it on the shelf in the washroom, the inside of the lid facing up.
- Over the toilet, pour the urine from the collection device into the container using the 'spout'.
- Fill the container as full as possible and put the lid back on tightly.
- Discard the collection device in the washroom garbage.
- Please rinse and dry the exterior of the container. Wash your hands, place the container in the paper bag provided and bring it back to me.

INSTRUCTION: Show the respondent or parent/guardian the spout used for pouring the urine.

Demonstrate how to remove the lid and pour the urine using the sample container.

Ensure the respondent or parent/guardian understands what is meant by placing the lid on the shelf "with the inside facing up".

Answer any questions as thoroughly as possible.

Press <1> to continue.

UC1_C30   If SCS_N12 = 4, go to UC1_N40.
Otherwise, go to UC1_R30.

UC1_R30   **In case you forget any of the collection procedures, there are step by step instructions posted in the washroom.**

INSTRUCTION: Press <1> to continue.

UC1_N40   INSTRUCTION: Record whether the respondent provided a urine sample.

1   Yes
2   No   (Go to UC1_N70)
(DK, RF not allowed)

UC1_Q43   **In order to complete an accurate analysis of the sample provided, we would like to know how long ago you urinated prior to providing this sample.**

INSTRUCTION: Read categories to respondent.

1   Less than 1 hour ago
2   1 hour to less than 2 hours ago
3   More than 2 hours ago
DK
(RF not allowed)

UC1_N50   INSTRUCTION: The required urine volume can be found on the urine container label.

Did the respondent provide a urine sample of sufficient volume?

1   Yes   (Go to UC1_END)
2   No
(DK, RF not allowed)

UC1_R60   **We did not obtain enough urine for the lab to run all the desired tests. I will prepare another urine container so that a second sample can be collected before the end of the clinic visit.**

INSTRUCTION: Prepare a second urine container using the label stapled to the inside of the respondent's file folder.

Using a Sharpie, write the number 2 on top of the lid.

Provide the paper bag containing the second labelled urine container to the respondent.

Press <1> to continue.

Go to UC1_END

UC1_N70   INSTRUCTION: Why was the component not completed?

03   Respondent refuses to continue
06   No time
10   Unable to provide
20   Other - Specify   (Go to UC1_S70)
(DK, RF not allowed)

Go to UC1_END

UC1_S70   (Why was the component not completed?)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

UC1_END

Screening Component Introduction (SCI)

SCI_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: Visit Type (3= clinic visit; 4= home visit)

Screen display:
The following header should be displayed for each question:
  Stand : ^STAND   Date : ^CurrentDate   Session : essionE   Comp : ^CompE
  Clinic ID : ^ClinicID   Name : ^RespondentName   Age : ^CON_AGE
Sex : ^GenderE

SCI_R1

The following questions are asked to ensure that you are given all the tests for which you are eligible. Some questions may have been asked during the home interview, but we need to ensure that our information is up-to-date. We also need to know if any changes have occurred since the home interview.
It is important to note that some medications and physical conditions may exclude you from certain tests.

Please answer to the best of your knowledge, as accurate information about you is important. [Your parent or guardian may need to help you answer some of these questions/EMPTY].

INSTRUCTION: Press <1> to continue.

SCI_END

Adherence to Guidelines (ATG)

ATG_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
SELFAST: whether selected to fast for 12 hours (1=fasting, 2=non-fasting)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type

Screen Display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

ATG_R11

At the time of the home interview, you were given a set of pre-testing guidelines. We will now review those guidelines.

INSTRUCTION: Press <1> to continue.

ATG_Q11

When did you last eat or drink anything other than water (e.g., coffee, tea, alcohol, juice or flavoured water)?

<u>INSTRUCTION</u>: Probe to determine what and how much the respondent ate or drank.

Enter the time (followed by "AM" or "PM") at which the respondent last ate or drank something that does not meet the <u>phlebotomy</u> fasting requirements.

(MIN: 1)
(MAX: 13)

(DK, RF not allowed)

Help text:

The respondent is still considered __fasted__ if the following have been consumed within the indicated time-frame:

- *Black coffee - up until the time of the appointment*
- *Coffee with milk/cream - up to 2 hours prior to the appointment*
- *Juice - up to 2 hours prior to the appointment*
- *Gum and candy - up until the time of the appointment*

The respondent is __not__ considered __fasted__ if the following have been consumed within the past 10 hours.

- *Liquids other than those indicated above, including*
   - *Milkshakes*
   - *Protein shakes*
   - *Meal replacements*
   - *Milk*
   - *Energy drinks*
   - *Any other beverages or supplements*
- *Any food*

ATG_N11

<u>INSTRUCTION</u>: Confirm the date.

1   Yesterday
2   Today
(DK, RF not allowed)

ATG_C11

If SCS_N12 = 3, go to ATG_D12.
Otherwise, go to ATG_N12.

ATG_N12

<u>INSTRUCTION</u>: Enter the time (followed by "AM" or "PM") the fasting question (ATG_Q11) <u>was asked</u> to the respondent.

(MIN: 1)
(MAX: 13)

(DK, RF not allowed)

ATG_C14A

If CON_AGE < 6, go to ATG_Q41.
Otherwise, go to ATG_C21.

ATG_C21

If CON_AGE < 12, go to ATG_Q22.
Otherwise, go to ATG_Q21A.

ATG_Q21A

Have you smoked cigarettes or used other tobacco or nicotine products...?

INSTRUCTION: Read categories to respondent.

1	**Today, during the past 2 hours**
2	**Today, more than 2 hours ago**
3	**Yesterday**
4	**3 to 4 days ago**
5	**5 to 7 days ago**
6	**More than 7 days ago**
7	**Never**

(DK, RF not allowed)

ATG_Q22
Have you consumed any caffeinated products (e.g., coffee, pop, energy drinks, tea or chocolate) during the past 2 hours?

1   Yes
2   No
(DK, RF not allowed)

ATG_C31
If CON_AGE < 12, go to ATG_Q41.
Otherwise, go to ATG_Q31.

ATG_Q31
Have you consumed any alcohol during the past 6 hours?

1   Yes
2   No   (Go to ATG_Q41)
(DK, RF not allowed)

ATG_N32
INSTRUCTION: Probe to determine when and how much the respondent drank.

Record whether the respondent should be excluded from one or more tests.

1   Yes
2   No   (Go to ATG_Q41)
(DK, RF not allowed)

ATG_N33
INSTRUCTION: From which test(s) should the respondent be excluded?

Mark all that apply.

2   Grip Strength
3   mCAFT
4   Sit and reach
5   Jumping mechanography
6   Quantitative computed tomography
7   Vision
(DK, RF not allowed)

ATG_Q41
Have you exercised today for at least ten minutes at a time (e.g., running, moderate or vigorous walking, swimming, weight training)?

1   Yes
2   No   (Go to ATG_END)
(DK, RF not allowed)

ATG_Q43

How long has it been since you last exercised?

1   1 to less than 30 minutes ago
2   30 minutes to less than 1 hour ago
3   1 hour to less than 2 hours ago
4   More than 2 hours ago
(DK, RF not allowed)

ATG_END

Physical and Health Conditions (PHC)

PHC_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
CCC_Q11: respondent has been diagnosed with asthma.
CCC_Q14: respondent has been diagnosed with chronic bronchitis, emphysema or chronic obstructive pulmonary disease.

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
Date2MonthsAgoE: the date two months ago in English
TwoMonthsAgoDay: the day of the date two months ago
TwoMonthsAgoMonth: the month of the date two months ago
TwoMonthsAgoYear: the year of the date two months ago

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_SEX: sex of respondent
CON_AGE: age of respondent

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

PHC_R11

I am now going to ask you about your current health and physical condition.

INSTRUCTION: Press <1> to continue.

PHC_C31

If CON_AGE < 8 or > 69, go to PHC_Q41.
Otherwise, go to PHC_Q31.

PHC_Q31

Have you been diagnosed with exercise-induced asthma or a breathing condition that worsens with exercise such as chronic bronchitis, emphysema or chronic obstructive pulmonary disease (COPD)?

1   Yes   (Go to PHC_Q36A)
2   No
(DK, RF not allowed)

PHC_C32

If CCC_Q11 = 1 (respondent has been diagnosed with asthma), go to PHC_Q32.
Otherwise, go to PHC_C32A.

PHC_Q32

During the interview in your home, it was reported that you had asthma. Is this correct?

1   Yes   (Go to PHC_Q36A)
2   No
DK, RF

PHC_C32A

If CCC_Q14 = 1 (respondent has been diagnosed with chronic bronchitis, emphysema or chronic obstructive pulmonary disease), go to PHC_Q32A.
Otherwise, go to PHC_Q41.

PHC_Q32A

During the interview in your home, it was reported that you had chronic bronchitis, emphysema or chronic obstructive pulmonary disease (COPD). Is this correct?

1   Yes   (Go to PHC_Q36A)
2   No
DK, RF

Go to PHC_Q41

PHC_Q36A

Are you currently taking any medications for your breathing condition(s)?

1   Yes
2   No   (Go to PHC_Q41)
(DK, RF not allowed)

PHC_Q36B

What type(s) of medication(s) are you taking?

<u>INSTRUCTION</u>: Probe to determine the type(s) of medication(s).

· Quick relief medications: Relieve symptoms once they begin.
  Examples: Salbutamol (Ventolin)
                      Formoterol (Oxese)
                      Ipatropium bromide (Atrovent)

· Controller medications: Prevent symptoms from arising in the first place.

1   **Quick relief**
2   **Controller**   (Go to PHC_Q41)
3   **Both**
(DK, RF not allowed)

PHC_Q37

Do you have your quick relief medication(s) with you?

1   Yes
2   No
(DK, RF not allowed)

PHC_Q41
 Do you have any acute conditions, for example a sprained wrist, flu or other infection? An acute condition develops suddenly and is short-term.

 1 Yes
 2 No   (Go to PHC_Q43)
 (DK, RF not allowed)

PHC_N41
 INSTRUCTION: What type(s) of acute condition(s) does the respondent have?

 Mark all that apply.

 1 Bone, joint or muscle problem
 2 Flu or other infection
 3 Recovery from a medical procedure
 4 Other health problem
 6 Fever
 (DK, RF not allowed)

PHC_N42
 INSTRUCTION: From which test(s) should the respondent be excluded because of this condition?

 Probe to determine the seriousness of the condition.

 Mark all that apply.

 01 Activity monitor
 02 Grip strength
 03 mCAFT
 04 Sit and reach
 05 Jumping mechanography
 06 Quantitative computed tomography
 07 Vision
 90 None
 (DK, RF not allowed)

PHC_Q43
 Do you have a chronic condition, for example arthritis, heart condition, multiple sclerosis, or colostomy bag, that may prevent you from participating in any of the tests today? A chronic condition develops slowly and is long lasting.

 INSTRUCTION: Show the laminated card with pictures of each test to the respondent.

 1 Yes
 2 No   (Go to PHC_Q51)
 (DK, RF not allowed)

PHC_N43
 INSTRUCTION: What type(s) of chronic condition(s) does the respondent have?

Mark all that apply.

1   Bone, joint or muscle
problem
2   Cardiovascular condition
3   Respiratory condition
4   Physically impaired
5   Other health problem
(DK, RF not allowed)

PHC_N44   INSTRUCTION: From which test(s) should the respondent be excluded
because of this condition?

Probe to determine the seriousness of the condition.

Mark all that apply.

01   Activity monitor
02   Grip strength
03   mCAFT
04   Sit and reach
05   Jumping
mechanography
06   Quantitative computed
tomography
07   Vision
90   None
(DK, RF not allowed)

PHC_Q51   **Do you have a clotting condition such as haemophilia or von
Willebrand disease?**

1   Yes
2   No
(DK, RF not allowed)

PHC_Q52   **Have you received chemotherapy in the past four weeks?**

1   Yes
2   No
(DK, RF not allowed)

PHC_Q56   **Have you ever felt dizzy or fainted during a blood draw?**

1   Yes
2   No
(DK, RF not allowed)

PHC_C57   If CON_AGE < 19, go to PHC_END.
Otherwise, go to PHC_Q57A.

PHC_Q57A   **Have you ever had a mastectomy?**

<u>INSTRUCTION</u>: A mastectomy involves removal of the breast tissue, the underlying muscle tissue, and lymph nodes of the underarm.

1   Yes
2   No   (Go to PHC_END)
(DK, RF not allowed)

PHC_Q57B   **On which side?**

1   Right
2   Left
3   Both
(DK, RF not allowed)

PHC_END

Women's Health Restrictions (WHR)

WHR_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
CON_SEX: sex of respondent

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

WHR_C001A   If CON_SEX = 1, go to WHR_END.
Otherwise, go to WHR_C001B.

WHR_C001B   If CON_AGE < 8, go to WHR_END.
Otherwise, go to WHR_R001.

WHR_R001   **I also need to ask a few questions related specifically to women's health.**

INSTRUCTION: Press <1> to continue.

WHR_Q005   **Have you ever had a menstrual period?**

1   Yes
2   No   (Go to WHR_END)
(DK, RF not allowed)

WHR_Q010   **At what age did you have your first menstrual period?**

INSTRUCTION: Minimum is 8; maximum is ^CON_AGE.

|_|_|
(MIN: 8)
(MAX: 79)

DK, RF

WHR_C15   If CON_AGE > 59, go to WHR_END.
                     Otherwise, go to WHR_Q015.

WHR_Q015   **Are you currently pregnant?**

                     1   Yes   (Go to WHR_Q020)
                     2   No
                     DK
                     (RF not allowed)

                     Go to WHR_Q025

WHR_Q020   **In what week are you?**

                     |_|_|
                     (MIN: 1)
                     (MAX: 45)

                     DK, RF

                     Go to WHR_END

WHR_Q025   **Is there a possibility that you may be pregnant? By "possibility" I mean being sexually active without the use of contraception.**

                     INSTRUCTION: Examples of contraception include the regular use of birth control pills, patches, injections (Depo-Provera®), intrauterine devices (IUD), diaphragms, condoms, as well as tubal ligation (tubes tied), vasectomy and hysterectomy.

                     Select "No" if the respondent does not believe that she can become pregnant as a result of menopause or infertility.

                     1   Yes
                     2   No
                     (DK, RF not allowed)

WHR_END

Physical Activity Restrictions (PHR)

PHR_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen Display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE Sex: ^GenderE

PHR_C001

If CON_AGE < 6, go to PHR_END.
Otherwise, go to PHR_R001.

PHR_R001

The next questions are used to identify people for whom certain tests might be inappropriate. Please answer each question thinking about the tests that you will be doing today.

INSTRUCTION: Show the laminated card with pictures of each test to the respondent.

Press <1> to continue.

PHR_Q005

Have you ever been diagnosed with an aneurysm?

INSTRUCTION: An aneurysm is a bulge in the wall of an artery. The pressure of blood inside the artery forces the weak area of wall to balloon outward. If untreated, an aneurysm may rupture, resulting in internal bleeding.

1   Yes
2   No
(DK, RF not allowed)

PHR_Q010

Are you currently taking prescribed medications for a blood pressure or heart condition?

1	Yes
2	No (Go to PHR_Q020)

(DK, RF not allowed)

PHR_Q015   **For which condition(s) are you taking the prescribed medications?**

INSTRUCTION: Mark all that apply.

01   High blood pressure
02   Low blood pressure
03   Angina
04   Previous heart attack
05   Aneurysm
06   Arrhythmia
07   Other heart condition
08   Other medical condition
DK, RF

PHR_C015   If PHR_Q015 in (7, 8), go to PHR_S015.
Otherwise, go to PHR_Q020.

PHR_S015   **(For which condition(s) are you taking the prescribed medications?)**

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

PHR_Q020   **Do you feel pain in your chest when you do physical activity?**

1   Yes
2   No
(DK, RF not allowed)

PHR_Q025   **In the past month, have you had chest pain when you were not doing physical activity, for example, at rest or during your daily activities of living?**

1   Yes
2   No
(DK, RF not allowed)

PHR_Q030   **In the last 12 months, have you lost your balance because of dizziness or have you lost consciousness?**

1   Yes
2   No (Go to PHR_Q050)
(DK, RF not allowed)

PHR_Q040   **Under which condition(s) did this happen?**

INSTRUCTION: Mark all that apply.

01   Standing up quickly
02   Getting up from lying down
03   After an injury/accident (e.g., concussion, head injury)
04   During an illness (e.g., inner ear infection)
05   During or after exercise
06   After fasting for a long period of time
07   On hot days
08   At random
09   Other - Specify   (Go to PHR_S040)
(DK, RF not allowed)

Go to PHR_C045

PHR_S040   **(Under which condition(s) did this happen?)**

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

PHR_C045   If PHR_Q040 < 9, go to PHR_Q050.
                    Otherwise, go to PHR_N045.

PHR_N045   INSTRUCTION: From which tests should the respondent be excluded because of this condition?

                    Probe to determine the seriousness of the condition.

                    Mark all that apply.

                    03   mCAFT
                    05   Jumping Mechanography
                    90   None
                    (DK, RF not allowed)

PHR_Q050   **Do you have a bone or joint problem that could be aggravated by physical activity?**

                    1   Yes
                    2   No   (Go to PHR_Q070)
                    (DK, RF not allowed)

PHR_Q055   **The problem is with which bone or joint?**

INSTRUCTION: Mark all that apply.

01   Head / Jaw
02   Neck
03   Back / Spine (excluding neck)
04   Shoulder
05   Arm / Elbow
06   Wrist
07   Hand / Fingers
08   Hip
09   Leg / Knee
10   Ankle
11   Foot / Toes
(DK, RF not allowed)

PHR_B060

Call the Bone or Joint Problem block (see Appendix I).

Programmer:

The block should be called for each answer identified in PHR_Q055.
Parameters required: PHR_Q055.

PHR_Q070

Has a health care professional said that you should not do certain types of physical activity?

1   Yes
2   No   (Go to PHR_Q085)
(DK, RF not allowed)

PHR_N075

INSTRUCTION: Probe to determine the type(s) of physical activity that the respondent should not do.

Record whether the respondent should be excluded from one or more tests.

1   Yes
2   No   (Go to PHR_Q085)
(DK, RF not allowed)

PHR_N080

INSTRUCTION: From which test(s) should the respondent be excluded?

Mark all that apply.

2   Grip Strength
3   mCAFT
4   Sit and reach
5   Jumping mechanography
(DK, RF not allowed)

PHR_Q085

Do you know of _any other reason_ why you should not do physical activity?

1   Yes
2   No   (Go to PHR_END)
(DK, RF not allowed)

PHR_Q090   **Please specify the reason you should not do physical activity?**

INSTRUCTION: Mark all that apply.

01   Bone, joint or muscle
problem
02   Cardiovascular condition
03   Recovery from a medical
procedure
04   Respiratory condition
05   Physically impaired
06   Pregnancy
07   Other health problem
08   Other - Specify   (Go to PHR_S090)
(DK, RF not allowed)

Go to PHR_N095

PHR_S090   **(Please specify the reason you should not do physical activity?)**

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

PHR_N095   INSTRUCTION: From which test(s) should the respondent be excluded because of this condition?

Probe to determine the seriousness of the condition.

Mark all that apply.

02   Grip Strength
03   mCAFT
04   Sit and reach
05   Jumping
mechanography
90   None
(DK, RF not allowed)

PHR_END

Bone or Joint Problem (BJP)

BJP_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
PHR_Q055: bone(s) or joint(s) that could be aggravated by physical activity

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE Comp: ^CompE
^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

BJP_Q1   **What is the condition that affects your ^DT_BONEJOINT1E?**

INSTRUCTION: Mark all that apply.

01   Arthritis (osteoarthritis or rheumatoid arthritis)
02   Vertebral disorder (e.g., chronic back or neck pain)
03   Osteoporosis
04   Chronic soft tissue condition (e.g., tendonitis)
05   Chronic joint condition (e.g., bursitis, carpal tunnel syndrome)
06   Acute soft tissue condition (e.g., pulled muscle, sprain, strain)
07   Acute bone condition (e.g., broken bone)
08   Neuromuscular disorder (e.g., multiple sclerosis, cerebral palsy, spinal cord dysfunction, muscular dystrophy, brain injury)
09   Amputation
10   Other - Specify   (Go to BJP_S1)
(DK, RF not allowed)

Go to BJP_N2

BJP_S1   **(What is the condition that affects your ^DT_BONEJOINT1E?)**

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: _Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed._

BJP_N2   INSTRUCTION: Probe to determine what types of activities can aggravate the respondent's ^DT_BONEJOINT1E problem.

Record whether the respondent should be excluded from one or more tests.

1   Yes
2   No   (Go to BJP_END)
(DK, RF not allowed)

BJP_N3   INSTRUCTION: From which test(s) should the respondent be excluded because of this condition?

Mark all that apply.

2   Grip Strength
3   mCAFT
4   Sit and reach
5   Jumping
mechanography
(DK, RF not allowed)

BJP_END

Bone Mineral Density Test Restrictions (BMR)

BMR_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
Date12MonthsAgoE: the date 12 months ago in English
(TwelveMonthsAgoMonthE + TwelveMonthsAgoDay + "," + TwelveMonthsAgoYear)
DryRun: whether the case is a dry run case

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: Visit type (3= clinic visit; 4= home visit)

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

BMR_C001

If SCS_N12 = 4 or (Dry run = 1 or 2) or CON_AGE < 6, go to BMR_END. Otherwise, go to BMR_R001.

BMR_R001

I also need to ask a few bone-health-related questions to ensure that you are eligible for the bone mineral density test.

INSTRUCTION: Press <1> to continue.

BMR_Q005

In the last 12 months, that is from ^Date12MonthsAgoE to today, have you broken, fractured, cracked or chipped your leg below the knee joint, including the ankle?

1   Yes
2   No   (Go to BMR_Q015)
(DK, RF not allowed)

BMR_Q010

Which leg?

1   Right
2   Left
3   Both
(DK, RF not allowed)

BMR_Q015   **Do you have metal in your leg anywhere below the knee, including the ankle? For example, screws, rods, plates, shrapnel or pellets?**

1   Yes
2   No   (Go to BMR_END)
(DK, RF not allowed)

BMR_Q020   **Which leg?**

1   Right
2   Left
3   Both
(DK, RF not allowed)

BMR_END

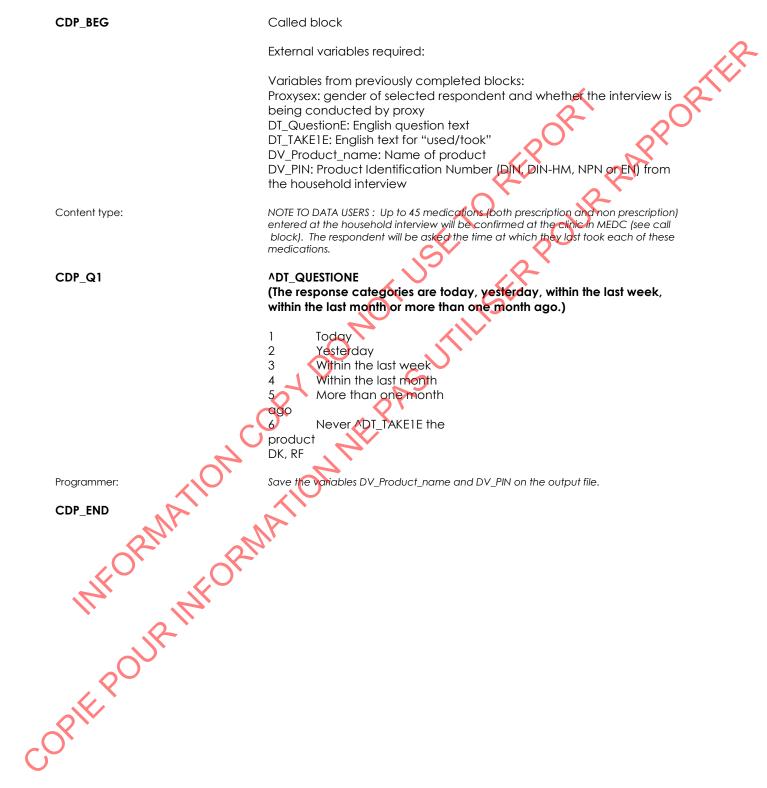## Vision Component Restrictions (VIR)

VIR_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES = Whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
TwelveMonthsAgoYear: Numeric year of date twelve months before the clinic visit
TwelveMonthsAgoMonth: Numeric month of date twelve months before the clinic visit
TwelveMonthsAgoDay: Numeric day of date twelve months before the clinic visit
TwelveMonthsAgoMonthE: English text of month of date twelve months before the clinic visit
Date12MonthsAgoE: the date 12 months ago in English (TwelveMonthsAgoMonthE + TwelveMonthsAgoDay + "," + TwelveMonthsAgoYear)
TwelveWeeksAgoYear: Numeric year of date 12 weeks (84 days) before the clinic visit
TwelveWeeksAgoMonth: Numeric month of date 12 weeks (84 days) before the clinic visit
TwelveWeeksAgoDay: Numeric day of date 12 weeks (84 days) before the clinic visit
TwelveWeeksAgoMonthE: English text of month 12 weeks (84 days) before the clinic visit
Date12WeeksAgoE: the date 12 weeks (84 days) ago in English (TwelveWeeksAgoMonthE + TwelveWeeksAgoDay + "," + TwelveWeeksAgoYear)

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: Visit type (3= clinic visit; 4= home visit)

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

VIR_C001	If SCS_N12 = 4 or CON_AGE < 6 or (CON_AGE > 19 AND CON_AGE < 40 and DV_NONGESTATIONALDIABETES = 2), go to VIR_END. Otherwise, go to VIR_R001.
VIR_R001	**Now, some questions about the health and care of your eyes.**
	INSTRUCTION: Press <1> to continue.
VIR_Q005	**Do you have an eye infection?**
	INSTRUCTION: Symptoms of eye infections can include a red, painful eye that is tearing and with coloured discharge.
	1 Yes
	2 No
	(DK, RF not allowed)
VIR_Q010	**In the past year, that is from ^Date12MonthsAgoE to yesterday, have you received corneal transplant surgery?**
	INSTRUCTION: A corneal transplant, also known as corneal grafting, is a surgical procedure where a damaged or diseased cornea is replaced by donated corneal tissue.
	1 Yes
	2 No (Go to VIR_Q020)
	(DK, RF not allowed)
VIR_Q015	**In which eye?**
	1 Right
	2 Left
	3 Both
	(DK, RF not allowed)
VIR_Q020	**In the past 12 weeks, that is from ^Date12WeeksAgoE to yesterday, have you had any of the following: an eye injury, an injection of medicine into an eye or an eye surgery, including corrective laser eye surgery?**
	INSTRUCTION: Do not include medicated eye drops (such as drops for glaucoma) or unmedicated drops (such as artificial tears, Visine etc.).
	1 Yes
	2 No (Go to VIR_Q030)
	(DK, RF not allowed)
VIR_Q025	**In which eye?**
	1 Right
	2 Left
	3 Both
	(DK, RF not allowed)
VIR_Q030	**Do you have an artificial eye?**

1   Yes
2   No   (Go to VIR_Q040)
(DK, RF not allowed)

VIR_Q035   **In which eye?**

1   Right
2   Left
3   Both
(DK, RF not allowed)

VIR_Q040   **Are you blind in either one or both eyes?**

INSTRUCTION: Blindness is considered as the inability to see completely even with vision correction.

1   Yes
2   No   (Go to VIR_D050)
(DK, RF not allowed)

VIR_Q045   **In which eye?**

1   Right
2   Left
3   Both
(DK, RF not allowed)

VIR_END

Hair Sample Restriction (HSR)

HSR_BEG	Content block

External fields required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

HSR_C005

If CON_AGE < 20 or > 59, go to HSR_END.
Otherwise, go to HSR_N005.

HSR_N005

INSTRUCTION: From looking at the respondent, are you able to collect a hair sample?

At the crown of their head, the respondent must have:
- At least 2 cm of hair; and
- At least 100 strands of hair (approximately half the diameter of a pencil eraser), which can be collected from multiple locations on the back of the head, but each location should not be greater than the area of a dime.

1   Yes
2   No   (Go to HSR_END)
3   Need to assess
(DK, RF not allowed)

HSR_Q010

I also need to ask you a question about your hair to make sure you are able to participate in the hair sampling test today.

Is the hair at the back of your head your own natural hair?

INSTRUCTION: If the hair is coloured, highlighted or the respondent has hair plugs, the hair sample is considered as natural hair. If the respondent has extensions or a weave, you will have to assess the hair as it may still be possible to take a hair sample.

1   Yes
2   No
(DK, RF not allowed)

HSR_END

Medications and Product Confirmation (MEDC)

MEDC_BEG   Content block

External fields required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

MEU_B11[i].DV_PIN: Product Identification Number (DIN, DIN-HM, NPN or EN) of the ith prescription medication from the household interview, i = 1 to 45.
MEU_B11[i].DV_Product_name: Name of the ith prescription medication from the household interview, i = 1 to 45.
MEU_B11[i].DV_Short_form: Code for the form of ith prescription medication from the household interview, i = 1 to 45 (used to derive dynamic text for take/use).

01 = Tablet/pill/capsule
02 = Lozenge
03 = Chew/gummy
04 = Globule
05 = Drop
06 = Tincture
07 = Liquid/solution
08 = Suspension
09 = Cream/ointment/gel/lotion
10 = Packet/sachet
11 = Powder
12 = Granule
13 = Spray/aerosol
14 = Patch
15 = Kit
16 = Suppository
50 = Other

MEU_B11[i].NPI_N05: Indicator of whether there is an ith prescription medication from the household interview, i = 1 to 45.
If MEU_B11[i].NPI_N05 = 1 or 2, there is an ith prescription medication. Otherwise, there are no more prescription medications
MEU_B25[j].DV_PIN: Product Identification Number (DIN, DIN-HM, NPN or EN) of the jth over-the-counter or other health product from the household interview, j = 1 to 45.
MEU_B25[j].DV_Product_name: Name of the jth over-the-counter or health product from the household interview, j = 1 to 45.
MEU_B25[j].DV_Short_form: Code for the form of the jth over-the-counter or health product from the household interview, j = 1 to 45 (used to derive dynamic text for take/use).

01 = Tablet/pill/capsule
02 = Lozenge
03 = Chew/gummy
04 = Globule
05 = Drop
06 = Tincture
07 = Liquid/solution
08 = Suspension

09 = Cream/ointment/gel/lotion
10 = Packet/sachet
11 = Powder
12 = Granule
13 = Spray/aerosol
14 = Patch
15 = Kit
16 = Suppository
50 = Other

MEU_B25[j].NPI_N05: Indicator of whether there is a jth over-the-counter or other health product from the household interview, j = 1 to 45. If MEU_B25[j].NPI_N05 = 1 or 2, there is a jth over-the-counter or other health product. Otherwise, there are no more over-the-counter or other health products

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
DT_RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
CON_SEX: sex of respondent
ProxySex: gender of selected respondent and whether the interview is being conducted by proxy

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^DT_RespondentName   Age: ^CON_AGE   Sex: ^GenderE

Tag:
PIN_DB.txt - This is a flat file that is used to load into a blaise look-up table. A look-up table is just a blaise database that is accessed from the blaise clinic application. Any changes to this file will require a new look-up table(database) be created and deployed into production. It is not used in the MedSearch tool.

MedDB.db - This is a relational database file that is used in the Medsearch Tool. This file can be replace with a new file if the only changes are data related.

There are no direct link between PIN_DB.txt and MedDB.db, but if one is changed the other should be updated as well.

Jason Gray CSID

MEDC_C100A

If MEU_B11[1].NPI_N05 = 1 or 2 or MEU_B25[1].NPI_N05 = 1 or 2, go to MEDC_D100A.
Otherwise, go to MEDC_B300.

MEDC_R100

Now I'd like to confirm your use of prescription and over-the-counter medications and other health products, including natural health products.

INSTRUCTION: Press <1> to continue.

MEDC_C100B

If MEU_B11[n].NPI_N05 = 1 or 2, go to MEDC_C100C.
Otherwise, go to MEDC_C200A.

MEDC_C100C

If MEU_B11[n].DV_Product_Name = RESPONSE, go to MEDC_D100B.
Otherwise, go to MEDC_C100B.

MEDC_B101

Call the Confirm Drug Product (CDP) block

Programmer:

*Pass "DT_QuestionE = **During the interview in your home, it was reported that you were ^DT_TAKE2E ^DV_PRODUCT_NAME. When was the last time that you ^DT_TAKE1E this medication?** " as parameter for the 1st product and every other multiple of 5.*

*Pass "DT_QuestionE = **When was the last time that you ^DT_TAKE1E ^DV_PRODUCT_NAME?** " as parameter for all other products.*

MEDC_C200A

If MEU_B25[n].NPI_N05 = 1 or 2, go to MEDC_C200B.
Otherwise, go to MEDC_B300.

MEDC_C200B

If MEU_B25[n].DV_PRODUCT_NAME = RESPONSE, go to MEDC_D200.
Otherwise, go to MEDC_C200A.

MEDC_B201

Call the Confirm Drug Product (CDP) block

Programmer:

*Pass "DT_QuestionE = **During the interview in your home, it was reported that you were ^DT_TAKE2E ^DV_Product_name. When was the last time that you ^DT_TAKE1E this product?** " as parameter for the 1st product and every other multiple of 5.*

*Pass "DT_QuestionE = **When was the last time that you ^DT_TAKE1E ^DV_Product_name?** " as parameter for all other products.*

MEDC_B300

Call the Medication Use for clinic (MEUC) block

MEDC_C411A

If CON_AGE < 6, go to MEDC_END.
Otherwise, go to MEDC_C411B.

MEDC_C411B

If CON_AGE < 14, go to MEDC_C511.
Otherwise, go to MEDC_R411.

MEDC_R411

Now I am going to ask you a question about your use of other substances such as performance enhancing or recreational drugs. We ask this question because these drugs can affect the results of the physical and biological measures that we will be taking today. You can be assured that anything you say will remain confidential and that your answer will not screen you out of any tests.

INSTRUCTION: Press <1> to continue.

MEDC_Q411

In the past week have you used any performance enhancing or recreational drugs such as steroids, marijuana or cocaine?

1   Yes
2   No
DK, RF

MEDC_C511

If MEU_B11[1].NPI_N05 = (EMPTY) and
MEDC_B300. MEUC_Q02 <> 1 and
MEU_B25[1].NPI_N05 = (EMPTY) and
MEDC_B300.MEUC_Q22 <> 1, go to MEDC_END.
Otherwise, go to MEDC_N611.

MEDC_N611

<u>INSTRUCTION</u>: From which test(s) should the respondent be excluded because of medication use?

Mark all that apply.

02   Grip strength
03   mCAFT
05   Jumping
mechanography
90   None
(DK, RF not allowed)

Programmer:

Display a list of all medication (prescription and over-the-counter, confirmed as well as new ones) immediately below the question header, as follows:

For each of MEDC_B101 and MEDC_B201:
    IF CDP_Q1 = 1, 2, 3, 4 or 5 THEN
        include ^DV_Product_name from sample file in list
    ENDIF
For each of MEDC_B300.MEUC_B11 and MEDC_B300.MEUC_B25:
    include ^DV_Product_name in list
ENDIF

If any drugs are to be displayed, include a title as follows:
"Medications currently being taken:"
Indent the list of products and place a bullet in front of each product.

MEDC_END

Confirm Drug Product (CDP)

CDP_BEG   Called block

External variables required:

Variables from previously completed blocks:
Proxysex: gender of selected respondent and whether the interview is being conducted by proxy
DT_QuestionE: English question text
DT_TAKE1E: English text for "used/took"
DV_Product_name: Name of product
DV_PIN: Product Identification Number (DIN, DIN-HM, NPN or EN) from the household interview

Content type: *NOTE TO DATA USERS : Up to 45 medications (both prescription and non prescription) entered at the household interview will be confirmed at the clinic in MEDC (see call block). The respondent will be asked the time at which they last took each of these medications.*

CDP_Q1   **^DT_QUESTIONE**
(The response categories are today, yesterday, within the last week, within the last month or more than one month ago.)

1   Today
2   Yesterday
3   Within the last week
4   Within the last month
5   More than one month ago
6   Never ^DT_TAKE1E the product
DK, RF

Programmer: *Save the variables DV_Product_name and DV_PIN on the output file.*

CDP_END

Medication Use for Clinic (MEUC)

MEUC_BEG	Called block

External variables required:

Variables from previously completed blocks:
PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
CON_SEX: sex of respondent
CON_AGE: age of respondent
RespondentFirstname: first name of respondent
DV_PIN: Product Identification Number (DIN, DIN-HM, NPN or EN) from NPI block

Programmer: *Set DT_DateLastMonthE = English text of date one month ago.*

MEUC_Q02 **In the past month, that is, from ^DT_DateLastMonthE to today, have you taken or used any ^DT_OTHER1medications that have been prescribed or administered by a health professional such as a doctor or dentist? This includes such things as insulin, ^DT_MEUText2E.**

INSTRUCTION: This question applies only to medications taken or used within the past month. Medications that have been prescribed but not taken or used within this period of time (e.g., Epi-pen) should not be captured.

1   Yes
2   No   (Go to MEUC_Q22)
DK, RF   (Go to MEUC_Q22)

MEUC_B11 Call the New product information (NPI) block

MEUC_C11 If the number of products captured is less than 15, go to MEUC_N11. Otherwise, go to MEUC_Q15.

MEUC_N11 INSTRUCTION: Do you have another prescription medication to capture?

1   Yes   (Go to MEUC_B11)
2   No
(DK not allowed)
RF   (Go to MEUC_Q22)

Programmer: *Continue the "Counter" for the Called Block (e.g., If the last prescription medication was the "fifth", continue using "sixth", "seventh", etc.)*

MEUC_Q12 **Have you taken or used any other prescription medications in the past month? Please include any prescription creams, injections or patches.**

1   Yes   (Go to MEUC_B11)
2   No
DK, RF

Go to MEUC_Q22

MEUC_Q15	How many other prescription medications have you taken or used in the past month? Please include any prescription creams, injections or patches.
	|_|_| (MIN: 0) (MAX: 95) DK, RF

MEUC_Q20	Have you taken or used any [other/EMPTY]over-the-counter medications or other health products, including natural health products in the past month?
	Over-the-counter medications could include such things as pain killers, antacids, allergy pills and hydrocortisone creams. Examples of health products include vitamins, minerals, amino acids, probiotics, fish oils and other oils, herbal remedies and homeopathic preparations.
	INSTRUCTION: This question applies only to products taken or used within the past month. Products that have not been taken or used within this period of time should not be captured.
	1 Yes (Go to MEUC_Q21) 2 No DK, RF Go to MEUC_END

MEUC_Q21	How many [other/EMPTY]over-the-counter medications or other health products have you taken or used in the past month?
	|_|_| (MIN: 1) (MAX: 95) DK, RF Go to MEUC_END

MEUC_Q22	Have you taken or used any [other/EMPTY]over-the-counter medications or other health products, including natural health products, in the past month, that is, from ^DT_DateLastMonthE to today.
	Over-the-counter medications could include such things as pain killers, antacids, allergy pills and hydrocortisone creams. Examples of health products include vitamins, minerals, amino acids, probiotics, fish oils and other oils, herbal remedies and homeopathic preparations.

INSTRUCTION: Has the respondent taken or used any over-the-counter medications or other health products in the past month?

This question applies only to products taken or used within the past month. Products that have not been taken or used within this period of time should not be captured.

1	Yes	
2	No	(Go to MEUC_END)
DK, RF		(Go to MEUC_END)

MEUC_B25   Call the New Drug Product (NPI) block

MEUC_C26   If the number of products (combined) captured is less than 15, go to MEUC_N26.
Otherwise, go to MEUC_Q29.

MEUC_N26   INSTRUCTION: Do you have another over-the-counter medication or health product to capture?

1	Yes	(Go to MEUC_B25)
2	No	
(DK not allowed)		
RF		(Go to MEUC_END)

Programmer: *Continue the "Counter" for the blocks (e.g. If the last product was the "fifth", continue using "sixth", "seventh", etc.)*

MEUC_Q27   **Have you taken or used any other over-the-counter medications or health products in the past month? Please include any solutions, powders, creams or pastes.**

1	Yes	(Go to MEUC_B25)
2	No	
DK, RF		

Go to MEUC_END

MEUC_Q29   **How many other over-the-counter medications or health products have you taken or used in the past month? Please include any solutions, powders, creams or pastes.**

|_|_|_|
(MIN: 0)
(MAX: 95)

DK, RF

MEUC_END

New Product Information (NPI)

NPI_BEG   Called block

                                     External variables required:

                                     Variables from previously completed blocks:
                                     MEUC_Q22: whether respondent taken or used any over-the-counter
                                     medications or health products
                                     ProxySex: gender of selected respondent and whether the interview is
                                     being conducted by proxy
                                     FollowUpFlag: 0 or 1
                                     CON_AGE: age of respondent

NPI_N05   INSTRUCTION: Is a product identification number available for the
                                     product (e.g., DIN, DIN-HM, NPN, EN)?

                                     1   Yes
                                     2   No   (Go to NPI_N15)
                                     (DK, RF not allowed)

Programmer: *Clear Registry.*

NPI_N07   INSTRUCTION: Record the product identification number from the
                                     bottle, tube or box. Include all leading zeros.

                                     _____

                                     (8 spaces)

                                     (DK, RF not allowed)

Programmer: *Use Blaise search; source file is Blaise PIN_Database.*

NPI_C08   If Blaise search does not find an exact match, go to NPI_N11.
                                     Otherwise, go to NPI_N08.

NPI_N08   INSTRUCTION: Select the correct product.

(DK, RF not allowed)

Programmer:	*List records with an exact match on PIN as response categories. The default 'Go to' for these responses should be NPI_D25.*
	Please add the response category 'None of the above' as the last response category. The "Go to" for this category should be NPI_N11.
	Don't know and Refusal are not allowed.
	Display the following variables: *Pk, product_name, product_strength and form.*
	Save items as follows for the response category selected:
	DV_PIN = pk *DV_DB = DB* *DT_Company_name = company_name* *DV_Product_name = product_name* *DT_FormE = form* *DT_FormF = form* *DV_Short_form = shortform* *DT_Strength = product_strength* *DT_RouteE = route* *DT_RouteF = route* *FollowUpFlag = FollowUpFlag*
	Save these variables on the output file except DT_Strength

NPI_N11 INSTRUCTION: Is ^NPI_N07 the correct product identification number?

1 Yes (Go to NPI_D18A)
2 No (Go to NPI_N05)
(DK, RF not allowed)

Programmer:	*If NPI_N11 = 1 and at least one record was found on the Blaise PIN_Database at NPI_N07, set DV_INCORRECT_PIN = NPI_N07.* *Otherwise, set DV_INCORRECT_PIN = EMPTY.*
	ELSE IF NPI_N11 = 1 and no records were found on the Blaise PIN_Database at NPI_N07, set DV_UNMATCHED_PIN = NPI_N07. *Otherwise, set DV_UNMATCHED_PIN = EMPTY.*

NPI_N15 INSTRUCTION: Why is a product identification number not available for the product?

1 Container not available
2 No product identification number
(DK, RF not allowed)

NPI_Q16 **[To search for this product I will need some of the following information:**
- Product name: for example, Accutane, Alesse 21 or Ventolin.
- Product form: for example, pill, powder, liquid or cream.
- Manufacturer: for example, Roche, Pfizer or GlaxoSmithKline./To search for this product, I will need some of the following information:
- Product name: for example, Children's Tylenol® Cold and Cough Nighttime.
- Product form: for example, pill, powder, liquid or cream.
- Manufacturer: for example, Bayer, Jamieson or Sisu./EMPTY]

INSTRUCTION: Use the MedSearch tool to find the product.

Press <1> to continue.

1   Continue
(DK, RF not allowed)

NPI_N17   INSTRUCTION: Was an exact product match found?

1   Yes
2   No   (Go to NPI_D18A)
(DK, RF not allowed)

NPI_Q17A   **Product identification number: ^DV_PIN**
                               Product name: ^DV_PRODUCT_NAME
                               Form: [NPI_S20/EMPTY/English text of category selected at NPI_Q20]
                               Strength: ^DT_STRENGTH
                               Route of administration: ^DT_ROUTEE

                               INSTRUCTION: Confirm whether the information displayed is correct.

1   Yes   (Go to NPI_D25)
2   No
(DK, RF not allowed)

NPI_N17B   INSTRUCTION: Do you want to search for the product again?

1   Yes   (Go to NPI_D15)
2   No
(DK, RF not allowed)

Programmer: *Set values as follow:*

                               DV_PIN = EMPTY
                               DV_DB = EMPTY
                               DT_Company_name = EMPTY
                               DV_Product_name = EMPTY
                               DT_FormE = EMPTY
                               DT_FormF = EMPTY
                               DV_Short_form = EMPTY
                               DT_Strength = EMPTY
                               DT_RouteE = EMPTY
                               DT_RouteF = EMPTY
                               FollowUpFlag =0

NPI_Q18   **(What is the name of this product? [For example, Accutane, Alesse 21 or Ventolin./For example, Children's Tylenol® Cold and Cough Nighttime.])**

INSTRUCTION: Capture the information from the product container, if it is available. Otherwise, ask the respondent to provide the information, as accurately as possible.

_____

(80 spaces)

DK, RF   (Go to NPI_END)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NPI_C19   If NPI_N15 = 1, go to NPI_Q20.
                     Otherwise, go to NPI_D19.

NPI_Q19   What company information is found on the product container?
                     [For example, Roche, Pfizer, GlaxoSmithKline./For example, Bayer, Jamieson or Sisu.]

                     INSTRUCTION: Capture all the company names from the product container. This could include: the manufacturer, the importer and/or the company for which this product was manufactured. If there is no company information on the container, enter <Don't know>.

_____

(80 spaces)

DK, RF

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NPI_Q20   **(What is the form of this product? For example, is it a pill, powder, liquid or cream?)**

INSTRUCTION: Capture the information from the product container, if it is available. Otherwise, ask the respondent to provide the information, as accurately as possible.

Select the product form.

01 Tablet / pill / capsule
02 Lozenge
03 Chew / gummy
04 Globule
05 Drop
06 Tincture
07 Liquid / solution
08 Suspension
09 Cream / ointment / gel / lotion
10 Packet / sachet
11 Powder
12 Granule
13 Spray / aerosol
14 Patch
15 Kit
16 Suppository
50 Other - Specify   (Go to NPI_S20)
DK, RF

Go to NPI_D20

NPI_S20

((What is the form of this product? For example, is it a pill, powder, liquid or cream?))

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NPI_Q21

(What is the strength of this product, for example, 250 mg, 1%, 1000 international units?)

INSTRUCTION: Capture the information from the product container, if it is available. Otherwise, ask the respondent to provide the information, as accurately as possible.

(80 spaces)

DK, RF

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NPI_Q22

(How is this product administered? For example, is it inhaled, swallowed, dissolved beneath the tongue or applied to the skin?)

INSTRUCTION: Capture the information from the product container, if it is available. Otherwise, ask the respondent to provide the information as accurately as possible.

Select the route of administration of the product.

01	Oral
02	Sublingual (under tongue)
03	Buccal (inside of cheek)
04	Dental (teeth or gums)
05	By inhalation
06	Nasal (nose)
07	Ophthalmic (eyeball)
08	Otic (ear)
09	Topical (applied to skin)
10	Transdermal (absorbed through skin)
11	By injection
12	Rectal
13	Vaginal
50	Other - Specify (Go to NPI_S22)
DK, RF	

Go to NPI_D25

NPI_S22

((How is this product administered? For example, is it inhaled, swallowed, dissolved beneath the tongue or applied to the skin?))

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Go to NPI_D25

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

NPI_Q25

When was the last time that you ^DT_Take1E this product?
(The response categories are today, yesterday, within the last week or within the last month.)

1	Today	
2	Yesterday	
3	Within the last week	
4	Within the last month	
5	More than one month ago	(Go to NPI_END)
DK, RF		(Go to NPI_END)

NPI_C25	If FollowUpFlag = 1 (administer follow-up questions), go to NPI_D26. Otherwise, go to NPI_END.
NPI_B26	Call the NPI Call Block (NPC).
Programmer:	*Pass "DT_NPC_TEXT1E, DT_NPC_TEXT1E and available choices for NPC_N12)" as a parameter.*

NPI_Q63

[For how long have you been [using/taking] [this or a similar product/this product]? (^DV_PRODUCT_NAME)/For how long did you [use/take] [this or a similar product/this product]? (^DV_PRODUCT_NAME)]

(If you stopped [using/taking] it at some point, only include the most recent period of use.)

INSTRUCTION: Enter time only.

[Consider a change in prescription (e.g., a change in medication company or dosage) to be a stop in medication use.

Do not consider a short break in the use of prescribed medication (e.g., temporarily ran out of medication or forgot to take a dose) to be a stop in medication use.

For prescription medication used on an as-needed basis (e.g., medicated cream for a reoccurring condition), only include the period when it was last used./A similar product could be a different company name (e.g., Jamieson Vitamin C® vs. Flintstones Vitamin C®) or a different form (e.g., tablet vs. liquid).

Do not consider a short break in the use of a product (e.g., temporarily ran out of a vitamin supplement or forgot to take a dose) to be a stop in product use.

For over-the-counter medication used on an as-needed basis (e.g., medication for a cold or headache), only include the period when it was last used]

(MIN: 1)
(MAX: 500)

DK	(Go to NPI_Q65)
RF	(Go to NPI_END)

NPI_N64

INSTRUCTION: Select the reporting period.

1 Days
2 Weeks
3 Months
4 Years
(DK, RF not allowed)

NPI_Q65

In the past month, on how many days did you [use/take] this product (^DV_PRODUCT_NAME)?

INSTRUCTION: Enter number of days.

If the medication was used every day for the past month, enter "31".

|_|_|
(MIN: 1)
(MAX: 31)

DK, RF

NPI_END

New Product Information - Call Block (NPC)

NPC_BEG   Called Block

External variables required:

Variables from previously completed blocks:
DT_NPC_TEXT1E: example text in English
DV_Product_Name: product name in English
DT_Take1E: English text fill for "used/took"
DT_Take3E: English text fill for "use/take"

NPC_Q10   **On the days that you ^DT_TAKE1E this product, how many times did you usually ^DT_TAKE3E it in a single day?**

INSTRUCTION: Record the number of times per day.

|_|_|_|
(MIN: 1)
(MAX: 100)

DK, RF   (Go to NPC_END)

NPC_Q11   **How much did you usually ^DT_TAKE3E each time you ^DT_TAKE1E it? ^DT_NPC_TEXT1E**

INSTRUCTION: Enter the quantity only.

(MIN: 0.01)
(MAX: 99,995.00)

DK, RF   (Go to NPC_END)

NPC_N12   INSTRUCTION: Select the unit of measure.

01   Tablets / pills / capsules
02   Lozenges
03   Chews / gummies
04   Millilitres (mL)
05   Milligrams (mg)
06   Grams (g)
07   Tablespoons (Tbsp)
08   Teaspoons (tsp)
09   Capfuls
10   Scoops
11   Packets / sachets
12   Drops
13   Sprays
14   Doses
15   Vials
16   Units
50   Other - Specify   (Go to NPC_S12)
DK, RF   (Go to NPC_END)

Go to NPC_D12

NPC_S12

(Select the unit of measure.)

<u>INSTRUCTION</u>: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

NPC_Q14

So you ^DT_TAKE1E ^NPC_Q11 [DT_UNITE] ^NPC_Q10 [time/times] that each day you ^DT_TAKE1E this product (^DV_PRODUCT_NAME). Is that correct?

1   Yes
2   No   (Go to NPC_Q10)
(DK, RF not allowed)

NPC_END

Other Reason for Screening Out (ORS)

ORS_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES: Whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
DRYRUN: Whether the respondent is a dry-run or not.

Screen Display:
The following header should be displayed for each question:
 Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
 Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

ORS_Q0   **Other than what you have already mentioned, are there <u>any other</u> <u>reasons</u> you should not participate in one or more of the physical tests?**

1   Yes
2   No
DK, RF

ORS_C1   If CON_AGE < 6, go to ORS_END.
Otherwise, go to ORS_N1.

ORS_N1   <u>INSTRUCTION</u>: Is there any other reason why the respondent should not perform the grip strength test?

1   Yes
2   No   (Go to ORS_C3A)
(DK, RF not allowed)

ORS_S1

INSTRUCTION: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

ORS_C3A
If CON_AGE > 69, go to ORS_N9.
Otherwise, go to ORS_C3B.

ORS_C3B
If CON_AGE < 8, go to ORS_N4.
Otherwise, go to ORS_N3.

ORS_N3
INSTRUCTION: Is there any other reason why the respondent should not perform the modified Canadian Aerobic FitnessTest (mCAFT)?

1   Yes
2   No   (Go to ORS_N4)
(DK, RF not allowed)

ORS_S3

INSTRUCTION: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

ORS_N4
INSTRUCTION: Is there any other reason why the respondent should not perform the sit and reach test?

1   Yes
2   No   (Go to ORS_N9)
(DK, RF not allowed)

ORS_S4

INSTRUCTION: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

ORS_N9
INSTRUCTION: Is there any other reason why the respondent should not perform the jumping mechanography tests?

1	Yes	
2	No	(Go to ORS_N10)

(DK, RF not allowed)

ORS_S9

<u>INSTRUCTION</u>: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

ORS_C10   If (DryRun = 1 or 2), go to ORS_C11.
Otherwise, go to ORS_N10.

ORS_N10   <u>INSTRUCTION</u>: Is there any other reason why the respondent should not perform the quantitative computed tomography test?

1	Yes	
2	No	(Go to ORS_C11)

(DK, RF not allowed)

ORS_S10

<u>INSTRUCTION</u>: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

ORS_C11   If CON_AGE > 19 AND CON_AGE < 40 AND DV_NONGESTATIONALDIABETES = 2, go to ORS_END.
Otherwise, go to ORS_N11.

ORS_N11   <u>INSTRUCTION</u>: Is there any other reason why the respondent should not perform the vision tests?

1	Yes	
2	No	(Go to ORS_END)

(DK, RF not allowed)

ORS_S11

INSTRUCTION: Specify the reason.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

ORS_END

Distance Viewing Confirmation (DVC)

DVC_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
VPR_Q010: Whether the respondent requires distance viewing glasses or contacts
DV_NONGESTATIONALDIABETES = whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
ATG_N33: Test exclusion due to alcohol consumption
PHC_N42:Test exclusion due to an acute condition
PHC_N44:Test exclusion due to a chronic condition
VIR_Q005:Test exclusion due to eye infection(1 = Yes, 2 = No)
VIR_Q015:Test exclusion due to undergoing corneal transplant surgery within the past 12 months. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q025:Test exclusion due to undergoing an eye injury, an injection of medicine into an eye or an eye surgery, including corrective laser eye surgery within the past 12 weeks.Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q035:Test exclusion due to having an artificial eye. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q045:Test exclusion due to being blind. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_D050: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D055: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
ORS_N11: Whether the respondent should not perform Vision for any other reason (1 = Yes; 2 = No)

PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
        1 = male, non-proxy
        2 = female, non-proxy
        3 = male, proxy
        4 = female, proxy

Screen Display:
The following header should be displayed for each question:
Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

DVC_R001	**Now, some questions about eyeglasses and contacts.**
	INSTRUCTION: Press <1> to continue.
Programmer:	*Allow 'DK' as a response category.*
DVC_C005	If DVC_R001 = DK, go to DVC_END. Otherwise, go to DVC_D005.
DVC_Q010	**Do you wear eyeglasses or contacts?** 1 Yes 2 No (DK, RF not allowed)
DVC_C015	If SCS_N12 = 4 or (DVC_Q010 = 1 AND (19 < CON_AGE < 40 AND DV_NONGESTATIONALDIABETES = 2)) or DVC_Q010 = 2 or ATG_N33 = 7 or PHC_N42 = 7 or PHC_N44 = 7 or VIR_Q005 = 1 or VIR_Q015 = 3 or VIR_Q025 = 3 or VIR_Q035 = 3 or VIR_Q045 = 3 or (VIR_D050 = 2 AND VIR_D055 = 2) or ORS_N11 = 1, go to DVC_END. Otherwise, go to DVC_D015.
DVC_Q015	**Do you use eyeglasses or contacts for distance viewing? For example, while watching television or [driving/seeing the board at school]?** INSTRUCTION: Distance viewing requires focus on an object that is at least one meter away. If the respondent confirms that they use eyeglasses or contacts for only one of the examples listed, then this question should be answered as yes. 1 Yes (Go to DVC_END) 2 No (DK, RF not allowed)
DVC_C020	If CON_AGE ≥ 6 and CON_AGE ≤ 19, go to DVC_END. Otherwise, go to DVC_N020.
DVC_N020	INSTRUCTION: Is the respondent currently wearing glasses? 1 Yes 2 No (DK, RF not allowed)
DVC_Q025	**Are you wearing contacts?** 1 Yes 2 No (Go to DVC_END) (DK, RF not allowed)
DVC_Q030	**In order to perform all of the vision tests today, you will need to remove your contacts.**

INSTRUCTION: Provide the respondent with a contact case and solution to remove his/her contacts.

Did the respondent remove his/her contacts?

1   Yes
2   No
(DK, RF not allowed)

DVC_END

Vision Clinic (VIC)

VIC_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES = whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
DVC_R001: introduction to vision eyewear questions
DVC_Q010: Whether the respondent wears eyeglasses or contacts (1= Yes, 2 = No)
DVC_Q015: Whether the respondent wears distance viewing gla sses or contacts (1 = Yes, 2 = No)
ATG_N33: Test exclusion due to alcohol consumption
PHC_N42:Test exclusion due to an acute condition
PHC_N44:Test exclusion due to a chronic condition
VIR_Q005:Test exclusion due to eye infection(1 = Yes, 2 = No)
VIR_Q015:Test exclusion due to undergoing corneal transplant surgery within the past 12 months. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q025:Test exclusion due to undergoing an eye injury, an injection of medicine into an eye or an eye surgery, including corrective laser eye surgery within the past 12 weeks.Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q035:Test exclusion due to having an artificial eye. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_Q045:Test exclusion due to being blind. Eye specific. (1 = Right, 2 = Left, 3 = Both)
VIR_D050: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D055: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
ORS_N11: Whether the respondent should not perform Vision for any other reason (1 = Yes; 2 = No)

PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
1 = male, non-proxy
2 = female, non-proxy
3 = male, proxy
4 = female, proxy

Screen Display:

The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

VIC_C005

If SCS_N12 = 4 or (19 < CON_AGE < 40 and DV_NONGESTATIONALDIABETES = 2) or DVC_R001 = DK or DVC_Q010 = 2 or DVC_Q015 = 2 or ATG_N33 = 7 or PHC_N42 = 7 or PHC_N44 = 7 or VIR_Q005 = 1 or VIR_Q015 = 3 or VIR_Q025 = 3 or VIR_Q035 = 3 or VIR_Q045 = 3 or (VIR_D050 = 2 AND VIR_D055 = 2) or ORS_N11 = 1, go to VIC_END.
Otherwise, go to VIC_N005.

VIC_N005

INSTRUCTION: Is the respondent currently wearing glasses?

1   Yes
2   No   (Go to VIC_Q015)
(DK, RF not allowed)

VIC_Q010

Are your glasses for distance viewing?

INSTRUCTION: Distance viewing requires focus on an object that is at least one meter away (e.g. watching television, driving or seeing the board at school).

1   Yes
2   No
(DK, RF not allowed)

VIC_Q015

Are you wearing contacts?

1   Yes
2   No   (Go to VIC_C025A)
(DK, RF not allowed)

VIC_Q020

Are your contacts for distance viewing?

INSTRUCTION: Distance viewing requires focus on an object that is at least one meter away (e.g. watching television, driving or seeing the board at school).

1   Yes
2   No
(DK, RF not allowed)

VIC_C025A

If CON_AGE ≥ 6 and CON_AGE ≤ 19, go to VIC_END.
Otherwise, go to VIC_C025B.

VIC_C025B

If VIC_Q010 = EMPTY or VIC_Q010 = 2, go to VIC_Q025.
Otherwise, go to VIC_C030.

VIC_Q025

Did you bring distance viewing glasses with you today?

1   Yes
2   No
(DK, RF not allowed)

VIC_C030   If VIC_Q015 = 2 or (VIC_Q015 =1 and VIC_Q020 = 1 and VIC_Q025 = 2), go to VIC_C035.
Otherwise, go to VIC_Q030.

VIC_Q030   **In order to perform all of the vision tests today, you will need to remove your contacts.**

INSTRUCTION: Provide the respondent with a contact case and solution to remove their contacts.

Did the respondent remove their contacts?

1   Yes
2   No
(DK, RF not allowed)

VIC_C035   If VIC_Q025 = 1 or (VIC_N005 = 1 AND VIC_Q010 = 1), go to VIC_Q035.
Otherwise, go to VIC_END.

VIC_Q035   **Are the lenses of your distance viewing glasses tinted or do they change colour when exposed to light?**

INSTRUCTION: Tinted lenses are coloured to increase or decrease the brightness of what you see. This includes photochromatic or transition lenses which darken automatically when exposed to sunlight.

1   Yes
2   No
DK, RF

VIC_END

Vision Prescription Clinic (VPRC)

VPRC_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier VPR_Q020: if the eyeglass or contact prescription was provided at the household visit
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place
	Variables from previously completed blocks: RespondentName: name of respondent GenderE: English text for sex of respondent CON_AGE: age of respondent DVC_R001: questions about eyeglasses or contacts DVC_Q010: Whether the respondent wears eyeglasses or contacts
	PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy 1 = male, non-proxy 2 = female, non-proxy 3 = male, proxy 4 = female, proxy
	Screen Display: The following header should be displayed for each question: Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE
VPRC_C005A	If DVC_R001 = DK, go to VPRC_N110. Otherwise, go to VPRC_C005B.
VPRC_C005B	If DVC_Q010 = 2, go to VPRC_END. Otherwise, go to VPRC_C005C.
VPRC_C005C	If VPR_Q020 = 1, go to VPRC_Q005. Otherwise, go to VPRC_C010.
VPRC_Q005	**Has your eyeglass or contact prescription changed since the household interview?** 1 Yes 2 No (DK, RF not allowed)

VPRC_C010	If VPRC_Q005 = 2, go to VPRC_END. Otherwise, go to VPRC_D010.

VPRC_Q010

Do you have your [new/current] eyeglass or contact prescription with you today?

1   Yes   (Go to VPRC_Q020)
2   No
(DK, RF not allowed)

VPRC_Q015

Do you know the power or strength of your eyeglass or contact prescription?

1   Yes   (Go to VPRC_Q030A)
2   No   (Go to VPRC_END)
DK, RF   (Go to VPRC_END)

VPRC_Q020

I will now record the values from the prescription; this will just take a few minutes. (Is this prescription for your eyeglasses or contacts?)

INSTRUCTION: Please record the most recent prescription available. However, if the respondent has both an eyeglass and contact prescription with the same date, record the eyeglass prescription only.

1   Eyeglasses
2   Contacts
DK
(RF not allowed)

VPRC_N025

INSTRUCTION: Is the sphere value present for the right eye (for example, OD)?

1   Yes
2   No   (Go to VPRC_N055)
(DK, RF not allowed)

VPRC_Q030A

(What is the power or strength of the lens for the right eye?)

INSTRUCTION: Record the sphere value for the right eye (for example, OD).

(MIN: -30.00)
(MAX: 30.00)

(DK, RF not allowed)

VPRC_N030B

INSTRUCTION: Re-enter the sphere value for the right eye (for example, OD).

(MIN: -30.00)
(MAX: 30.00)

(DK, RF not allowed)

VPRC_C035	If VPRC _Q010 = 2, go to VPRC_Q060A. Otherwise, go to VPRC_N035.

VPRC_N035   INSTRUCTION: Is the cylinder value present for the right eye (for example, OD)?

1   Yes
2   No   (Go to VPRC_N055)
(DK, RF not allowed)

VPRC_N040A   INSTRUCTION: Record the cylinder value for the right eye (for example, OD).

(MIN: -10.00)
(MAX: 10.00)

(DK, RF not allowed)

VPRC_N040B   INSTRUCTION: Re-enter the cylinder value for the right eye (for example, OD).

(MIN: -10.00)
(MAX: 10.00)

(DK, RF not allowed)

VPRC_N045   INSTRUCTION: Is the axis value present for the right eye (for example, OD)?

1   Yes
2   No   (Go to VPRC_N055)
(DK, RF not allowed)

VPRC_N050A   INSTRUCTION: Record the axis value for the right eye (for example, OD).

|_|_|_|
(MIN: 0)
(MAX: 180)

(DK, RF not allowed)

VPRC_N050B   INSTRUCTION: Re-enter the axis value for the right eye (for example, OD).

|_|_|_|
(MIN: 0)
(MAX: 180)

(DK, RF not allowed)

VPRC_N055   INSTRUCTION: Is the sphere value present for the left eye (for example, OS or OG)?

1   Yes
2   No   (Go to VPRC_D085)
(DK, RF not allowed)

VPRC_Q060A   **(What is the power or strength of the lens for the left eye?)**

INSTRUCTION: Record the sphere value for the left eye (for example, OS or OG).

(MIN: -30.00)
(MAX: 30.00)

(DK, RF not allowed)

VPRC_N060B   INSTRUCTION: Re-enter the sphere value for the left eye (for example, OS or OG).

(MIN: -30.00)
(MAX: 30.00)

(DK, RF not allowed)

VPRC_C065   If VPRC _Q010 = 2, go to VPRC_D085.
Otherwise, go to VPRC_N065.

VPRC_N065   INSTRUCTION: Is the cylinder value present for the left eye (for example, OS or OG)?

1   Yes
2   No   (Go to VPRC_D085)
(DK, RF not allowed)

VPRC_N070A   INSTRUCTION: Record the cylinder value for the left eye (for example, OS or OG).

(MIN: -10.00)
(MAX: 10.00)

(DK, RF not allowed)

VPRC_N070B   INSTRUCTION: Re-enter the cylinder value for the left eye (for example, OS or OG).

(MIN: -10.00)
(MAX: 10.00)

(DK, RF not allowed)

VPRC_N075   INSTRUCTION: Is the axis value present for the left eye (for example, OS or OG)?

1   Yes
2   No   (Go to VPRC_D085)
(DK, RF not allowed)

VPRC_N080A   INSTRUCTION: Record the axis value for the left eye (for example, OS or OG).

|_|_|_|
(MIN: 0)
(MAX: 180)

(DK, RF not allowed)

VPRC_N080B   INSTRUCTION: Re-enter the axis value for the left eye (for example, OS or OG).

|_|_|_|
(MIN: 0)
(MAX: 180)

(DK, RF not allowed)

VPRC_C110   If DVC_R001 = DK, go to VPRC_N110.
                       Otherwise, go to VPRC_END.

VPRC_N110   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to
continue for health reasons
06   No time
20   Other - Specify   (Go to VPRC_S110)
(DK, RF not allowed)

Go to VPRC_END

VPRC_S110   (Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

VPRC_END

Vision Prescription Value (VPV)

VPV_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
VPR_Q015: whether the eyeglass or contact prescription was available during the household visit
VPR_Q025: whether the respondents prescription captured during the household interview is for glasses or contacts
VPR_N030: whether the sphere value was present for the right eye
VPR_N035A: sphere value for the right eye
VPR_N040: whether the cylinder value was present for the right eye
VPR_N045A: cylinder value for the right eye
VPR_N050: whether the axis value was present for the right eye
VPR_N055A: axis value for the right eye
VPR_N060: whether the sphere value was present for the left eye
VPR_N065A: sphere value for the left eye
VPR_N070: whether the cylinder value was present for the left eye
VPR_N075A: cylinder value for the left eye
VPR_N080: whether the axis value was present for the left eye
VPR_N085A: axis value for the left eye

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
VPRC_Q010: whether the eyeglass or contact prescription was available during the clinic visit
VPRC_Q015: whether the respondent knew the strength of their prescription.
VPRC_Q020: whether the respondents prescription captured during the clinic visit is for glasses or contacts
VPRC_N025: whether the sphere value was present for the right eye
VPRC_Q030A: sphere value for the right eye
VPRC_N035: whether the cylinder value was present for the right eye
VPRC_N040A: cylinder value for the right eye
VPRC_N045: whether the axis value was present for the right eye
VPRC_N050A: axis value for the right eye
VPRC_N055: whether the sphere value was present for the left eye
VPRC_Q060A: sphere value for the left eye
VPRC_N065: whether the cylinder value was present for the left eye
VPRC_N070A: cylinder value for the left eye
VPRC_N075: whether the axis value was present for the left eye
VPRC_N080A: axis value for the left eye

VPV_END

Fish and Shellfish Consumption (FSF)

FSF_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
DateLastMonthE: English text of month of date one month before the clinic visit

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: sex of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

FSF_R10

Now a few questions about your consumption of shellfish over the past month. Think about <u>all</u> the shellfish you ate, both meals and snacks, at home and away from home. Include fresh, frozen and canned shellfish.

<u>INSTRUCTION</u>: Press <1> to continue.

Programmer: *Allow 'DK' as a response category.*

FSF_C10

If FSF_R10 = DK, go to FSF_N70.
Otherwise, go to FSF_D10.

FSF_Q10

Have you eaten any of the following shellfish over the past month, that is, from ^DateLastMonthE to today?

INSTRUCTION: The term "shellfish" refers to a type of mollusc/crustacean. It does not include "saltwater fish" which are covered in the next question.

Read categories to respondent. Mark all that apply.

01	**Lobster**	
02	**Shrimp**	
03	**Mussels**	
04	**Scallops**	
05	**Oysters**	
06	**Squid or calamari**	
07	**Clams**	
08	**Crab**	
09	**Surimi or imitation crab**	
10	**Any other shellfish**	(Go to FSF_S10V)
11	No shellfish	
DK		
RF		(Go to FSF_END)

Go to FSF_C11

FSF_S10V

What other shellfish did you consume?

INSTRUCTION: Enter one shellfish only.

_____

(80 spaces)

DK, RF   (Go to FSF_C11)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_Q10X

Over the past month, did you consume any other shellfish?

1	Yes	
2	No	(Go to FSF_C11)
DK, RF		(Go to FSF_C11)

FSF_S10X

What other shellfish did you consume?

INSTRUCTION: Enter one shellfish only.

_____

(80 spaces)

DK, RF   (Go to FSF_C11)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_Q10Y

Over the past month, did you consume any other shellfish?

1	Yes	
2	No	(Go to FSF_C11)
DK, RF		(Go to FSF_C11)

FSF_S10Y

What other shellfish did you consume?

INSTRUCTION: Enter one shellfish only.

_____

(80 spaces)

DK, RF

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_C11
If FSF_Q10 = 11 or DK, go to FSF_R24.
Otherwise, go to FSF_C12.

FSF_C12
If FSF_Q10 = 1, go to FSF_B12.
Otherwise, go to FSF_C13.

FSF_B12
Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**lobster**" as parameter.*

FSF_C13
If FSF_Q10 = 2, go to FSF_B13.
Otherwise, go to FSF_C14.

FSF_B13
Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**shrimp**" as parameter.*

FSF_C14
If FSF_Q10 = 3, go to FSF_B14.
Otherwise, go to FSF_C15.

FSF_B14
Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**mussels**" as parameter.*

FSF_C15
If FSF_Q10 = 4, go to FSF_B15.
Otherwise, go to FSF_C16.

FSF_B15
Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**scallops**" as parameter.*

FSF_C16
If FSF_Q10 = 5, go to FSF_B16.
Otherwise, go to FSF_C17.

FSF_B16
Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**oysters**" as parameter.*

FSF_C17
If FSF_Q10 = 6, go to FSF_B17.
Otherwise, go to FSF_C18.

FSF_B17	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**squid or calamari**" as parameter.*
FSF_C18	If FSF_Q10 = 7, go to FSF_B18. Otherwise, go to FSF_C19.
FSF_B18	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**clams**" as parameter.*
FSF_C19	If FSF_Q10 = 8, go to FSF_B19. Otherwise, go to FSF_C20.
FSF_B19	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**crab**" as parameter.*
FSF_C20	If FSF_Q10 = 9, go to FSF_B20. Otherwise, go to FSF_C21.
FSF_B20	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**surimi or imitation crab**" as parameter.*
FSF_C21	If FSF_S10V = RESPONSE and <> DK, RF, go to FSF_B21. Otherwise, go to FSF_C22.
FSF_B21	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**^FSF_S10V**" as parameter.*
FSF_C22	If FSF_S10X = RESPONSE and <> DK, RF, go to FSF_B22. Otherwise, go to FSF_C23.
FSF_B22	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**^FSF_S10X**" as parameter.*
FSF_C23	If FSF_S10Y = RESPONSE and <> DK,RF, go to FSF_B23. Otherwise, go to FSF_R24.
FSF_B23	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "**^FSF_S10Y**" as parameter.*
FSF_R24	**Now, think about <u>all</u> salt and freshwater fish you ate, both meals and snacks, at home and away from home. Include fresh, frozen and canned fish of all types, as well as the fish in fish and chips.** <u>INSTRUCTION</u>: Press <1> to continue.
FSF_Q24	**Have you eaten any of the following fish over the past month, that is, from ^DateLastMonthE to today?**

INSTRUCTION: The term "saltwater fish" does not include "shellfish", which were asked about in the previous question.

Read categories to respondent. Mark all that apply.

02	**Tuna in a can or pouch**	
03	**Tuna steaks or fillets (fresh or frozen)**	
04	**Salmon in a can or pouch**	
05	**Salmon - fresh, frozen or smoked**	
07	**Shark**	
08	**Marlin**	
09	**Swordfish**	
13	**Mackerel**	
14	**Herring**	
19	**Any other fish**	(Go to FSF_S24V)
20	No fish	
DK, RF		

Go to FSF_C24A

FSF_S24V   **What other fish did you consume?**

INSTRUCTION: Enter one type of fish only.

_____

(80 spaces)

DK, RF   (Go to FSF_C24A)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_Q24X   **In the past month, did you consume any other fish?**

1	Yes	
2	No	(Go to FSF_C24A)
DK, RF		(Go to FSF_C24A)

FSF_S24X   **What other fish did you consume?**

INSTRUCTION: Enter one type of fish only.

_____

(80 spaces)

DK, RF   (Go to FSF_C24A)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_Q24Y   **In the past month, did you consume any other fish?**

1	Yes	
2	No	(Go to FSF_C24A)
DK, RF		(Go to FSF_C24A)

FSF_S24Y

What other fish did you consume?

INSTRUCTION: Enter one type of fish only.

_____

(80 spaces)

DK, RF

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

FSF_C24A   If FSF_Q24 = 20, DK or RF, go to FSF_END.
Otherwise, go to FSF_C25A.

FSF_C25A   If FSF_Q24 = 2, go to FSF_Q25.
Otherwise, go to FSF_C26.

FSF_Q25   **Over the past month, when you ate tuna in a can or pouch, was it:**

INSTRUCTION: Read categories to respondent.

1	**...light (flaked or chunk) tuna?**	
2	**...white (solid) tuna?**	(Go to FSF_C25B)
3	**...both?**	
DK, RF		(Go to FSF_C25C)

FSF_B25A   Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**light (flaked or chunk) tuna in a can or pouch**" as parameter.*

FSF_C25B   If FSF_Q25 = 2 or 3, go to FSF_B25B.
Otherwise, go to FSF_C25C.

FSF_B25B   Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**white (solid) tuna in a can or pouch**" as parameter.*

FSF_C25C   If FSF_Q25 = DK or RF, go to FSF_B25C.
Otherwise, go to FSF_C26.

FSF_B25C   Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**tuna in a can or pouch**" as parameter.*

FSF_C26   If FSF_Q24 = 3, go to FSF_B26.
Otherwise, go to FSF_C27.

FSF_B26   Call the Detail Fish and Shellfish (DFS) block.

Programmer: *Pass DT_QuestionE = "**tuna steaks or fillets (fresh or frozen)**" as parameter.*

FSF_C27	If FSF_Q24 = 4, go to FSF_B27. Otherwise, go to FSF_C28.
FSF_B27	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***salmon in a can or pouch***" as parameter.*
FSF_C28	If FSF_Q24 = 5, go to FSF_B28. Otherwise, go to FSF_C30.
FSF_B28	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***salmon - fresh, frozen or smoked***" as parameter.*
FSF_C30	If FSF_Q24 = 7, go to FSF_B30. Otherwise, go to FSF_C31.
FSF_B30	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***shark***" as parameter.*
FSF_C31	If FSF_Q24 = 8, go to FSF_B31. Otherwise, go to FSF_C32.
FSF_B31	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***marlin***" as parameter.*
FSF_C32	If FSF_Q24 = 9, go to FSF_B32. Otherwise, go to FSF_C36.
FSF_B32	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***swordfish***" as parameter.*
FSF_C36	If FSF_Q24 = 13, go to FSF_B36. Otherwise, go to FSF_C37.
FSF_B36	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***mackerel***" as parameter.*
FSF_C37	If FSF_Q24 = 14, go to FSF_B37. Otherwise, go to FSF_C42.
FSF_B37	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***herring***" as parameter.*
FSF_C42	If FSF_S24V = RESPONSE and <> DK,RF, go to FSF_B42. Otherwise, go to FSF_C43.
FSF_B42	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "***^FSF_S24V***" as parameter.*
FSF_C43	If FSF_S24X = RESPONSE and <> DK,RF, go to FSF_B43. Otherwise, go to FSF_C44.

FSF_B43	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "^FSF_S24X" as parameter.*
FSF_C44	If FSF_S24Y = RESPONSE and <> DK,RF, go to FSF_B44. Otherwise, go to FSF_END.
FSF_B44	Call the Detail Fish and Shellfish (DFS) block.
Programmer:	*Pass DT_QuestionE = "^FSF_S24Y" as parameter.*
FSF_N70	<u>INSTRUCTION</u>: Why was the component not fully completed? 01 Respondent unable to continue for health reasons 06 No time 20 Other - Specify (Go to FSF_S70) (DK, RF not allowed) Go to FSF_END
FSF_S70	(Why was the component not fully completed?) <u>INSTRUCTION</u>: Specify. --- (80 spaces) (DK, RF not allowed)
Programmer:	*Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*
FSF_END	

Detail Fish and Shellfish (DFS)

DFS_BEG   Called block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: sex of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
DT_QuestionE: English question text

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

DFS_Q11   **Over the past month, how many times did you eat:**

... ^DT_QUESTIONE?

|_|_| Times
(MIN: 1)
(MAX: 95)

DK, RF   (Go to DFS_END)

DFS_N11   <u>INSTRUCTION</u>: Select the reporting period.

1   Per month
2   Per week
3   Per day
(DK, RF not allowed)

DFS_END

Anthropometric Component Introduction (ACI)

ACI_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
ANCREP: whether an anthropometric replicate has been assigned
SCS_N12: Visit Type

Screen Display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: ^SessionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: RespondentName   Age: ^CON_AGE
Sex: ^GenderE

ACI_C01A

If ANCREP = 1, go to ACI_R01.
Otherwise, go to ACI_R02.

ACI_R01

You have been randomly selected to repeat the anthropometric component where we take body measurements such as your height and weight. You did nothing wrong when these measurements were taken earlier. We repeat these measurements with about 1 out of every 10 participants as a way to ensure consistency of the results.

Do you have any questions?

INSTRUCTION: Press <1> to continue.

Programmer:

Allow 'DK' as a response category.

ACI_C01B

If ACI_R01 = DK, go to ACI_END.
Otherwise, go to ACI_D02.

ACI_R02

Next will be a series of body measurements.

INSTRUCTION: Press <1> to continue.

Programmer:

Allow 'DK' as a response category

ACI_C02   If ACI_R02 = DK, go to ACI_END.
                               Otherwise, go to ACI_D02.

ACI_END

Height and Weight Measurements (HWM)

HWM_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
ANCREP: whether an anthropometric replicate has been assigned

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
SCS_N12: Clinic visit (3) or home visit (4)
CON_SEX: sex of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
WHR_Q015: whether the respondent is pregnant
ACI_R01: anthropometry component replicate introduction
ACI_R02: anthropometry component introduction

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

HWM_C10   If ACI_R01 = DK or ACI_R02 = DK, go to HWM_C59.
                                     Otherwise, go to HWM_R11.

HWM_R11   **I'm going to start by measuring how tall you are. Please remove your shoes and stand with your feet together, keeping your heels, buttocks, back and head in contact with the measuring device. Look straight ahead and stand as tall as possible.**

                                     Now, take a deep breath in and hold it.

                                     <u>INSTRUCTION</u>: Ensure the respondent's head is aligned with the Frankfort plane and all hair ties or ornaments (e.g., buns, braids, clips) have been removed.

                                     Take the measurement while the breath is being held.

                                     Press <1> to continue.

HWM_N11   <u>INSTRUCTION</u>: Record how the data will be captured.

1	Electronically	
2	Manually with a portable device	(Go to HWM_N11B)
3	Self-report	(Go to HWM_N11B)
4	Electronic data entered manually	

(DK, RF not allowed)

HWM_N11A　　INSTRUCTION: Ensure that the stadiometer is set to millimeters (mm).

Press the "Send" button on the left side of the digital display box or the "Data" button on the SPC (send to PC) device.

(MIN: 846)
(MAX: 2,071)

(DK, RF not allowed)

HWM_C11　　If HWM_N11 = 4, go to HWM_N11D.
Otherwise, go to HWM_D11.

HWM_N11B　　INSTRUCTION: Record the standing height in centimetres.

(MIN: 19)
(MAX: 208)

DK, RF　　　　　　　　　　　　(Go to HWM_D11)

HWM_N11C　　INSTRUCTION: Re-enter the standing height in centimetres.

(MIN: 19)
(MAX: 208)

(DK, RF not allowed)

HWM_C11D　　If HWM_N11 = 04, go to HWM_N11D.
Otherwise, go to HWM_D11.

HWM_N11D　　INSTRUCTION: Re-enter the standing height in millimeters.

(MIN: 846)
(MAX: 2,071)

(DK, RF not allowed)

HWM_C11A　　If HWM_Q11 = DK, go to HWM_S11.
Otherwise, go to HWM_R13.

HWM_S11　　INSTRUCTION: Specify the reason why the measurement could not be taken.

	(80 spaces)
	(DK, RF not allowed)
Programmer:	*Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*
HWM_R13	**Next I'm going to measure how much you weigh. Please empty your pockets, remove all heavy accessories, step onto the centre of the scale and face me. Keep your hands at your sides and look straight ahead.**
	<u>INSTRUCTION</u>: Ensure the respondent has on only minimal clothing (no shoes), has nothing in his/her pockets and has removed all heavy accessories (e.g., a watch, belt, pair of glasses).
	Press <1> to continue.
HWM_N13	<u>INSTRUCTION</u>: Record how the data will be captured.
	1 Electronically 2 Manually with a portable (Go to HWM_N13B) device 3 Self-report (Go to HWM_N13B) 4 Electronic data entered (Go to HWM_N13B) manually (DK, RF not allowed)
HWM_N13A	<u>INSTRUCTION</u>: Ensure the scale is set to kilograms (kg).
	Press <Print> on the scale.
	Press <1> to save the measurement in Blaise.
	1 Save the measurement (DK, RF not allowed)

Programmer:	*Data from the scale will be available as a string value saved in the Blaise registry under "HKEY_CURRENT_USER". A single string value will be saved, containing 8 bytes of data. The data should be copied to specific capture fields as follows:*
	
	IF Substring(EDATA, 1, 1) = E THEN
	  Save DK code "999.9" in HWM_Q13
	  Save Substring(EDATA, 2, 2) in HWM_S13
	ELSE
	  Save Substring(EDATA, 4, 5) in HWM_Q13
	ENDIF

HWM_R13A	<u>INSTRUCTION</u>: Check the data returned from the scale.
	Press <1> to continue.
Programmer:	*Data should be displayed on the screen in the following format:* *WEIGHT: ^HWM_Q13 kg*
HWM_C13A	If HWM_R13A = RESPONSE, go to HWM_C14A. Otherwise, go to HWM_N13B.

HWM_N13B   INSTRUCTION: When the measurement is stable, record the weight in kilograms.

(MIN: 0.5)
(MAX: 500.0)

DK, RF   (Go to HWM_D13)

HWM_N13C   INSTRUCTION: Re-enter the weight in kilograms.

(MIN: 0.5)
(MAX: 500.0)

(DK, RF not allowed)

HWM_C13   If HWM_Q13 = DK, go to HWM_S13.
Otherwise, go to HWM_C14A.

HWM_S13   INSTRUCTION: Specify the reason why the measurement could not be taken.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HWM_C14A   If WHR_Q015 = 1, go to HWM_R16.
Otherwise, go to HWM_R14.

HWM_R14   **Now I'm going to measure your waist circumference. Please stand up straight with your arms hanging loosely at your sides, and breathe normally. I may need to move your clothing slightly because the measurement has to be taken directly on the skin. In order to ensure I have the correct position, I am going to feel for certain landmarks and make a few small marks on your skin with a washable marker to indicate where to place the tape. When I'm done, I'll remove them with a wipe.**

INSTRUCTION: Landmark both sides.

Read the measurement at the right side of the body.

Take the measurement at the end of a normal expiration.

Press <1> to continue.

HWM_N14A   INSTRUCTION: Record the waist circumference in centimetres.

(MIN: 0)
(MAX: 305)

DK, RF   (Go to HWM_D14)

HWM_N14B INSTRUCTION: Re-enter the waist circumference in centimetres.

(MIN: 0)
(MAX: 305)

(DK, RF not allowed)

HWM_C14B If HWM_Q14 = DK, go to HWM_S14.
Otherwise, go to HWM_R16.

HWM_S14 INSTRUCTION: Specify the reason why the measurement could not be taken.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HWM_R16 **Now, I'll measure your neck circumference. Please stand up straight, with your arms hanging loosely at your sides, and look straight ahead. I will need to touch your neck in order to find the appropriate spot to take the measurement.**

INSTRUCTION: Ensure the respondent's head is aligned with the Frankfort plane.

Ensure the respondent does not clench his/her teeth.

Read the measurement at the landmark on the front of the neck.

Press <1> to continue.

HWM_N16A INSTRUCTION: Record the neck circumference in centimetres.

(MIN: 0)
(MAX: 150)

DK, RF (Go to HWM_D16)

HWM_N16B INSTRUCTION: Re-enter the neck circumference in centimetres.

(MIN: 0)
(MAX: 150)

(DK, RF not allowed)

HWM_C16 If HWM_Q16 = DK, go to HWM_S16.
Otherwise, go to HWM_C20.

HWM_S16

INSTRUCTION: Specify the reason why the measurement could not be taken.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HWM_C20   If ANCREP = 1 OR SCS_N12 = 4 or (WHR_Q015 = 1 AND HWM_Q11 = NONRESPONSE AND HWM_Q13 = NONRESPONSE AND HWM_Q16 = NONRESPONSE) OR (HWM_Q11 = NONRESPONSE AND HWM_Q13 = NONRESPONSE AND HWM_Q14 = NONRESPONSE AND HWM_Q16 = NONRESPONSE), go to HWM_C59.
Otherwise, go to HWM_R20.

HWM_R20   **At the end of the appointment, we may need to repeat the measurements I have just completed. The computer randomly selects people to be re-measured for quality control purposes. In case you are selected, I will now erase the marks I put on your skin to ensure that they do not influence a possible second set of measurements.**

INSTRUCTION: Press <1> to continue.

Use a wipe to wash off all marks on the respondent's skin.

HWM_C59   If ACI_R01 = DK or ACI_R02 = DK, go to HWM_N60.
Otherwise, go to HWM_END.

HWM_N60   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
03   Respondent refuses to continue
06   No time
20   Other - Specify   (Go to HWM_S60)
(DK, RF not allowed)

Go to HWM_END

HWM_S60   (Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HWM_END

Blood Pressure Measurement (BPM)

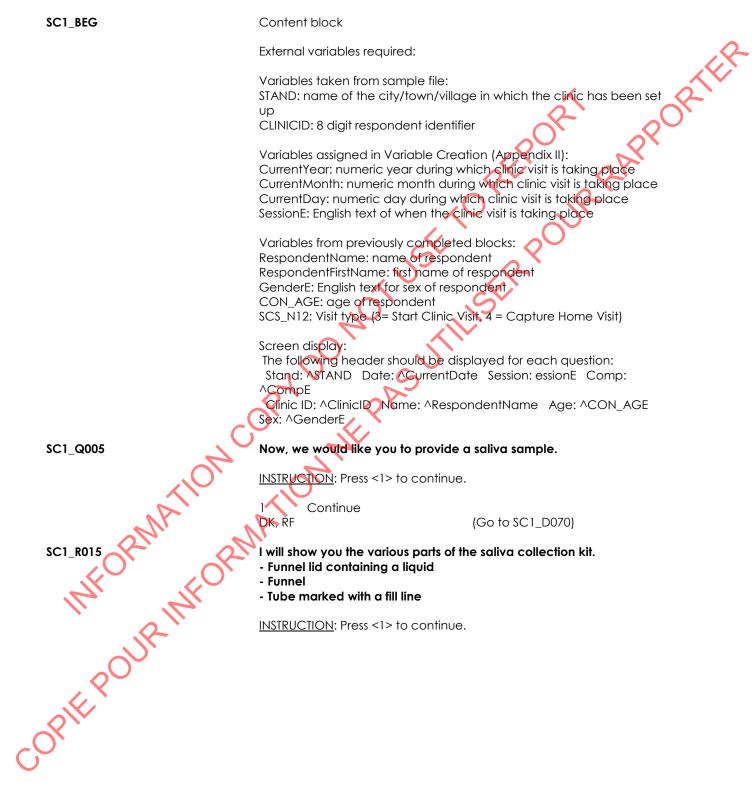**BPM_BEG**   Content block

                                               External variables required:

                                               Variables taken from sample file:
                                               STAND: name of the city/town/village in which the clinic has been set
                                               up
                                               CLINICID: 8 digit respondent identifier

                                               Variables assigned in Variable Creation (Appendix II):
                                               CurrentYear: numeric year during which clinic visit is taking place
                                               CurrentMonth: numeric month during which clinic visit is taking place
                                               CurrentDay: numeric day during which clinic visit is taking place
                                               SessionE: English text of when the clinic visit is taking place

                                               Variables from previously completed blocks:
                                               RespondentName: name of respondent
                                               CON_SEX: sex of respondent
                                               GenderE: English text for sex of respondent
                                               CON_AGE: age of respondent
                                               HWM_Q11: standing height (in centimetres)
                                               SCS_N12: visit type (3 = clinic visit; 4 = home visit)
                                               WHR_Q020: Number of weeks of pregnancy reported by respondent
                                               ATG_N33: Test exclusion due to alcohol consumption
                                               PHR_Q020: Whether the respondent has chest pain during physical
                                               activity (1 = Yes; 2 = No)
                                               PHR_Q025: Whether the respondent had chest pain when not doing
                                               physical activity, in past month (1 = Yes; 2 = No)
                                               PHR_Q040: Condition(s) under which respondent has lost
                                               balance/consciousness within the last 12 months
                                               PHR_N045: Test exclusion due to condition under which respondent
                                               has lost balance/consciousness, as assessed by the HMS
                                               PHR_B060.BJP_N3_1: Test exclusion due to bone or joint problem
                                               (Head/Jaw).
                                               PHR_B060.BJP_N3_2: Test exclusion due to bone or joint problem
                                               (Neck).
                                               PHR_B060.BJP_N3_3: Test exclusion due to bone or joint problem
                                               (Back/Spine).
                                               PHR_B060.BJP_N3_4: Test exclusion due to bone or joint problem
                                               (Shoulder).
                                               PHR_B060.BJP_N3_5: Test exclusion due to bone or joint problem
                                               (Arm/Elbow).
                                               PHR_B060.BJP_N3_6: Test exclusion due to bone or joint problem (Wrist).
                                               PHR_B060.BJP_N3_7: Test exclusion due to bone or joint problem
                                               (Hand/Fingers).
                                               PHR_B060.BJP_N3_8: Test exclusion due to bone or joint problem (Hip).
                                               PHR_B060.BJP_N3_9: Test exclusion due to bone or joint problem
                                               (Leg/Knee).
                                               PHR_B060.BJP_N3_10: Test exclusion due to bone or joint problem
                                               (Ankle).
                                               PHR_B060.BJP_N3_11: Test exclusion due to bone or joint problem
                                               (Foot/Toes).
                                               PHR_N080: Test exclusion due to physical activity restriction(s) identified
                                               by a health professional.
                                               PHR_N095: Test exclusion due to other reason for not doing physical
                                               activity reported by respondent.

PHC_Q37: Whether the respondent has his quick relief medication(s) with him (1 = Yes; 2 = No)

PHC_N42: Test exclusion due to an acute condition

PHC_N44: Test exclusion due to a chronic condition

PHC_Q57B: indicates on which side the respondent has had a mastectomy

MEDC_N611: Test exclusion due to medication use

ORS_N3: Whether the respondent should not perform the mCAFT for any other reason (1 = Yes; 2 = No)

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE Sex: ^GenderE

BPM_N100   INSTRUCTION: Measure the respondent's arm circumference and select the appropriate cuff size. Record the selected cuff size.

1   Child (13-18 cm)
2   Small adult (18-26 cm)
3   Regular adult (26-34 cm)
4   Large adult (32-43 cm)
5   X-Large adult (41-52 cm)
(DK, RF not allowed)

BPM_N101   INSTRUCTION: Record how the first set of data will be captured.

1   Electronically (BpTRU)
3   BpTRU data entered
manually
DK   (Go to BPM_N600)
(RF not allowed)

Programmer: *If BPM_N101= 3 is selected, please do not pre-fill the values with previous data.*

BPM_C101A   If BPM_N101 = 3, go to BPM_B110.
Otherwise, go to BPM_Q101A.

BPM_Q101A   **Now, I will take your blood pressure and heart rate, using an automated blood pressure cuff. During this test, you will need to sit up straight with your feet flat on the floor, your back against the back rest of the chair, and your [left/right] arm on the table.**

INSTRUCTION: - Ensure the BpTRU is communicating with Health Listener.
- Set the BpTRU to cycle 1 (1-minute intervals).
- Turn the BpTRU away from the respondent.

Press <1> to continue.

1   Continue
(DK not allowed)
RF   (Go to BPM_END)

BPM_Q102

[The cuff will fill with air and it will squeeze your arm a little. It will do this 6 times. During the test, you cannot talk. You need to sit really still and keep both feet flat on the floor. You should stay relaxed to ensure we get good results. Before we start, I will leave you alone to sit and relax for 5 minutes. I will then come back to start the machine. It is very important that we don't talk until the test is done/The cuff will inflate automatically once every minute, applying pressure to your arm. A total of 6 measures will be taken. I will stay in the room for the first measurement then I will leave the room. Although I will not be present during the test, should you require assistance, I will be just outside the room. You should not move or talk during the test, and you need to keep both feet flat on the floor. It is important that you stay relaxed to ensure we get good results. Before we begin, I will leave you alone to sit and relax for 5 minutes. I will then return to start the machine. I ask that you do not talk when I return to take the first measurement]. Do you have any questions before we begin?

INSTRUCTION: - Answer any questions as thoroughly as possible.
- Secure the cuff on the respondent's **[left/right]** arm.
- Ensure respondent is in the correct position (palm down, feet flat, arm and back rested, relaxed).
- Start the stopwatch to return to the room after 5 minutes.
- After the 5-minute rest period, return to the room and press the <Start> button on the BpTRU.
- Stay in the room for the first measure and write down the result.
- Press < CTL-ALT-DELETE> and then < ENTER> to lock the computer before leaving the room.

Press <1> to continue.

1   Continue
(DK, RF not allowed)

BPM_N105

INSTRUCTION: Press <1> to save the measurements in Blaise.

1   Save the measurements   (Go to BPM_D160A)
(DK, RF not allowed)

Programmer:	*Programmers Note:*

Data from the BPTru will be available in a series of string values saved in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\". Six string values will be saved, each containing 13 bytes of data. The data should be copied to specific capture fields as follows:

IF Substring(EDATA1, 1, 1) = E THEN
  Save DK code "999" in BPM_B110.BPR_N1A
  Save Substring(EDATA1, 2, 3) in BPM_B110.DT_BPR_N4
ELSE
  Save Substring(EDATA1, 5, 3) in BPM_B110.BPR_N1A
  Save Substring(EDATA1, 8, 3) in BPM_B110.BPR_N2A
  Save Substring(EDATA1, 11, 3) in BPM_B110.BPR_N3A
ENDIF

IF Substring(EDATA2, 1, 1) = E THEN
  Save DK code "999" in BPM_B111.BPR_N1A
  Save Substring(EDATA2, 2, 3) in BPM_B111.DT_BPR_N4
ELSE
  Save Substring(EDATA2, 5, 3) in BPM_B111.BPR_N1A
  Save Substring(EDATA2, 8, 3) in BPM_B111.BPR_N2A
  Save Substring(EDATA2, 11, 3) in BPM_B111.BPR_N3A
ENDIF

IF Substring(EDATA3, 1, 1) = E THEN
  Save DK code "999" in BPM_B121.BPR_N1A
  Save Substring(EDATA3, 2, 3) in BPM_B121.DT_BPR_N4
ELSE
  Save Substring(EDATA3, 5, 3) in BPM_B121.BPR_N1A
  Save Substring(EDATA3, 8, 3) in BPM_B121.BPR_N2A
  Save Substring(EDATA3, 11, 3) in BPM_B121.BPR_N3A
ENDIF

IF Substring(EDATA4, 1, 1) = E THEN
  Save DK code "999" in BPM_B131.BPR_N1A
  Save Substring(EDATA4, 2, 3) in BPM_B131. DT_BPR_N4
ELSE
  Save Substring(EDATA4, 5, 3) in BPM_B131.BPR_N1A
  Save Substring(EDATA4, 8, 3) in BPM_B131.BPR_N2A
  Save Substring(EDATA4, 11, 3) in BPM_B131.BPR_N3A
ENDIF

IF Substring(EDATA5, 1, 1) = E THEN
  Save DK code "999" in BPM_B141.BPR_N1A
  Save Substring(EDATA5, 2, 3) in BPM_B141. DT_BPR_N4
ELSE
  Save Substring(EDATA5, 5, 3) in BPM_B141.BPR_N1A
  Save Substring(EDATA5, 8, 3) in BPM_B141.BPR_N2A
  Save Substring(EDATA5, 11, 3) in BPM_B141.BPR_N3A
ENDIF

IF Substring(EDATA6, 1, 1) = E THEN
  Save DK code "999" in BPM_B151.BPR_N1A
  Save Substring(EDATA6, 2, 3) in BPM_B151. DT_BPR_N4
ELSE
  Save Substring(EDATA6, 5, 3) in BPM_B151.BPR_N1A
  Save Substring(EDATA6, 8, 3) in BPM_B151.BPR_N2A
  Save Substring(EDATA6, 11, 3) in BPM_B151.BPR_N3A
ENDIF

Set value of ResetCounter to 2 in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\".

Lock the fields containing the data from the BPTru and delete the data transfer file.

BPM_B110   Call the Blood Pressure Recording (BPR) block.

Programmer:	*In the code, BPM_B110 is an array 1 to 6 of BPR and also represents BPM_B111, BPM_B121, BPM_B131, BPM_B141 and BPM_B151. It was written this way in QDT in order to include BPM_C111 and BPM_C112 in the correct flow.*
BPM_C111	If BPM_B110.BPR_N1A = RF, go to BPM_END. Otherwise, go to BPM_B111.
BPM_B111	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B110[2] in the code.*
BPM_C112	If BPM_B111.BPR_N1A = RF, go to BPM_END. Otherwise, go to BPM_B121.
BPM_B121	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B110[3] in the code.*
BPM_B131	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B110[4] in the code.*
BPM_B141	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B110[5] in the code.*
BPM_B151	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B110[6] in the code.*
BPM_N160	INSTRUCTION: Check the blood pressure and heart rate data. [Press <Clear> on the BPTru screen./EMPTY]

1   Valid - accept the measurements
2   Not valid - re-do the measurements
(DK, RF not allowed)

Help text: *Select "Re-do the measurements" if the blood pressure measurements are invalid.*
                             For example:
                             ·   There was a noteworthy distraction or noise in the room while the
                             measurement was being taken (e.g., something fell from a shelf or desk, likely
                             startling the respondent); or
                             ·   The protocol was not respected (e.g., the respondent is not in the correct
                             position, moves or talks during the measurements).

Programmer: *Data should be displayed on the screen in a four-column, six- line table of values:*

                             SYSTOLIC BLOOD PRESSURE
                             1 BPM_B110.BPR_N1A
                             2 BPM_B111.BPR_N1A
                             3 BPM_B121.BPR_N1A
                             4 BPM_B131.BPR_N1A
                             5 BPM_B141.BPR_N1A
                             6 BPM_B151.BPR_N1A

                             DIASTOLIC BLOOD PRESSURE
                             1 BPM_B110.BPR_N2A
                             2 BPM_B111.BPR_N2A
                             3 BPM_B121.BPR_N2A
                             4 BPM_B131.BPR_N2A
                             5 BPM_B141.BPR_N2A
                             6 BPM_B151.BPR_N2A

                             HEART RATE
                             1 BPM_B110.BPR_N3A
                             2 BPM_B111.BPR_N3A
                             3 BPM_B121.BPR_N3A
                             4 BPM_B131.BPR_N3A
                             5 BPM_B141.BPR_N3A
                             6 BPM_B151.BPR_N3A

                             ERROR CODE
                             1 BPM_B110.BPR_N4
                             2 BPM_B111.BPR_N4
                             3 BPM_B121.BPR_N4
                             4 BPM_B131.BPR_N4
                             5 BPM_B141.BPR_N4
                             6 BPM_B151.BPR_N4

                             Display error codes (4th column in the table above) in red text.

BPM_N161   INSTRUCTION: Was anyone in the room with the respondent (e.g., HMS, parent or guardian) when the blood pressure measurements were taken?

                             1   Yes
                             2   No
                             (DK, RF not allowed)

BPM_C161   If BPM_N160 = 2, go to BPM_N201.
                             Otherwise, go to BPM_D161.

BPM_C164   If BPM_D160A = 1, go to BPM_N201.
                       Otherwise, go to BPM_C165.

BPM_C165   If BPM_D161 < 145 and BPM_D162 < 95 and BPM_D163 < 100, go to
                       BPM_D401.
                       Otherwise, go to BPM_C166.

BPM_C166   If SCS_N12 = 4 or (CON_AGE < 15 or > 69) or WHR_Q020 > 12 or
                       ATG_N33 = 3 or PHR_Q020 = 1 or PHR_Q025 = 1 or PHR_040 = 5 or 8 or
                       PHR_N045 = 3 or if any of (PHR_B060.BJP_N3_1 or PHR_B060.BJP_N3_2 or
                       PHR_B060.BJP_N3_3 or PHR_B060.BJP_N3_4 or PHR_B060.BJP_N3_5 or
                       PHR_B060.BJP_N3_6 or PHR_B060.BJP_N3_7 or PHR_B060.BJP_N3_8 or
                       PHR_B060.BJP_N3_9 or PHR_B060.BJP_N3_10 or PHR_B060.BJP_N3_1) =
                       3 or PHR_N080 = 3 or PHR_N095 = 3 or PHC_Q37 = 2 or PHC_N42 = 3 or
                       PHC_N44 = 3 or MEDC_N611 = 3 or ORS_N3 = 1, go to BPM_D401.
                       Otherwise, go to BPM_N201.

BPM_N201   <u>INSTRUCTION</u>: Record how the second set of data will be captured.

                       1   Electronically (BpTRU)
                       3   BpTRU data entered   (Go to BPM_B210)
                       manually
                       (DK, RF not allowed)

Programmer: *Set value of ResetCounter to 1 in the Blaise registry under "HKEY_CURRENT_USER".*

                       If BPM_N201= 3 is selected, please do not pre-fill the values with previous data.

BPM_Q201   **There were too many errors with that set of measurements, so we have
                       to do the test again. I will retake your blood pressure and heart rate.
                       Remember, you should not move or talk during the test, and you need
                       to keep both feet flat on the floor. It's important that you stay relaxed
                       to ensure we get good results.**

                       <u>INSTRUCTION</u>: - Ensure the BpTRU is communicating with Health
                       Listener.
                       - Set the BpTRU to cycle 1.
                       - Turn the BpTRU away from the respondent.
                       - Answer any questions as thoroughly as possible.
                       - Secure the cuff on the respondent's **[left/right]** arm.
                       - Ensure respondent is in the correct position (palm down, feet flat, arm
                       and back rested, relaxed).
                       - <Start> the BpTRU.
                       - Stay in the room for the first measure and write down the result.
                       - Press <CTL-ALT-DELETE> and then <ENTER> to lock the computer
                       before leaving the room.

                       1   Press <1> to continue.
                       (DK not allowed)
                       RF   (Go to BPM_D401)

BPM_N205   <u>INSTRUCTION</u>: Press <1> to save the measurements in Blaise.

1   Save the measurements   (Go to BPM_D260A)
(DK, RF not allowed)

Programmer:	*Programmers Note:*

Data from the BPTru will be available in a series of string values saved in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\". Six string values will be saved, each containing 13 bytes of data. The data should be copied to specific capture fields as follows:

IF Substring(EDATA1, 1, 1) = E THEN
  Save DK code "999" in BPM_B210.BPR_N1A
  Save Substring(EDATA1, 2, 3) in BPM_B210. DT_BPR_N4
ELSE
  Save Substring(EDATA1, 5, 3) in BPM_B210.BPR_N1A
  Save Substring(EDATA1, 8, 3) in BPM_B210.BPR_N2A
  Save Substring(EDATA1, 11, 3) in BPM_B210.BPR_N3A
ENDIF

IF Substring(EDATA2, 1, 1) = E THEN
  Save DK code "999" in BPM_B211.BPR_N1A
  Save Substring(EDATA2, 2, 3) in BPM_B211. DT_BPR_N4
ELSE
  Save Substring(EDATA2, 5, 3) in BPM_B211.BPR_N1A
  Save Substring(EDATA2, 8, 3) in BPM_B211.BPR_N2A
  Save Substring(EDATA2, 11, 3) in BPM_B211.BPR_N3A
ENDIF

IF Substring(EDATA3, 1, 1) = E THEN
  Save DK code "999" in BPM_B221.BPR_N1A
  Save Substring(EDATA3, 2, 3) in BPM_B221. DT_BPR_N4
ELSE
  Save Substring(EDATA3, 5, 3) in BPM_B221.BPR_N1A
  Save Substring(EDATA3, 8, 3) in BPM_B221.BPR_N2A
  Save Substring(EDATA3, 11, 3) in BPM_B221.BPR_N3A
ENDIF

IF Substring(EDATA4, 1, 1) = E THEN
  Save DK code "999" in BPM_B231.BPR_N1A
  Save Substring(EDATA4, 2, 3) in BPM_B231. DT_BPR_N4
ELSE
  Save Substring(EDATA4, 5, 3) in BPM_B231.BPR_N1A
  Save Substring(EDATA4, 8, 3) in BPM_B231.BPR_N2A
  Save Substring(EDATA4, 11, 3) in BPM_B231.BPR_N3A
ENDIF

IF Substring(EDATA5, 1, 1) = E THEN
  Save DK code "999" in BPM_B241.BPR_N1A
  Save Substring(EDATA5, 2, 3) in BPM_B241. DT_BPR_N4
ELSE
  Save Substring(EDATA5, 5, 3) in BPM_B241.BPR_N1A
  Save Substring(EDATA5, 8, 3) in BPM_B241.BPR_N2A
  Save Substring(EDATA5, 11, 3) in BPM_B241.BPR_N3A
ENDIF

IF Substring(EDATA6, 1, 1) = E THEN
  Save DK code "999" in BPM_B251.BPR_N1A
  Save Substring(EDATA6, 2, 3) in BPM_B251. DT_BPR_N4
ELSE
  Save Substring(EDATA6, 5, 3) in BPM_B251.BPR_N1A
  Save Substring(EDATA6, 8, 3) in BPM_B251.BPR_N2A
  Save Substring(EDATA6, 11, 3) in BPM_B251.BPR_N3A
ENDIF

Set value of ResetCounter to 2 in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\". Lock the fields containing the data from the BpTRU, delete the data transfer file.

BPM_B210 Call the Blood Pressure Recording (BPR) block.

Programmer:	*In the code, BPM_B210 is an array 1 to 6 of BPR and also represents BPM_B211, BPM_B221, BPM_B231, BPM_B241 and BPM_B251. It was written this way in QDT in order to include BPM_C211 and BPM_C221 in the correct flow.*
BPM_C211	If BPM_B210.BPR_N1A = RF, go to BPM_D401. Otherwise, go to BPM_B211.
BPM_B211	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B210[2] in the code.*
BPM_C221	If BPM_B211.BPR_N1A = RF, go to BPM_D401. Otherwise, go to BPM_B221.
BPM_B221	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B210[3] in the code.*
BPM_B231	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B210[4] in the code.*
BPM_B241	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B210[5] in the code.*
BPM_B251	Call the Blood Pressure Recording (BPR) block.
Programmer:	*Called BPM_B210[6] in the code.*
BPM_N260	INSTRUCTION: Check the blood pressure and heart rate data. [Press <Clear> on the BPTru screen./EMPTY]

1   Valid - accept the measurements
2   Not valid - reject the measurements
(DK, RF not allowed)

Help text: *Select "Reject the measurements" if the blood pressure measurements are invalid. For example:*
-   There was a noteworthy distraction or noise in the room while the measurement was being taken (e.g., something fell from a shelf or desk, likely startling the respondent); or
-   The protocol was not respected (e.g., the respondent is not in the correct position, moves or talks during the measurements).

Programmer: *Data should be displayed on the screen in a four-column, six-line table of values:*

SYSTOLIC BLOOD PRESSURE
1 BPM_B210.BPR_N1A
2 BPM_B211.BPR_N1A
3 BPM_B221.BPR_N1A
4 BPM_B231.BPR_N1A
5 BPM_B241.BPR_N1A
6 BPM_B251.BPR_N1A

DIASTOLIC BLOOD PRESSURE
1 BPM_B210.BPR_N2A
2 BPM_B211.BPR_N2A
3 BPM_B221.BPR_N2A
4 BPM_B231.BPR_N2A
5 BPM_B241.BPR_N2A
6 BPM_B251.BPR_N2A

HEART RATE
1 BPM_B210.BPR_N3A
2 BPM_B211.BPR_N3A
3 BPM_B221.BPR_N3A
4 BPM_B231.BPR_N3A
5 BPM_B241.BPR_N3A
6 BPM_B251.BPR_N3A

ERROR CODE
1 BPM_B210.BPR_N4
2 BPM_B211.BPR_N4
3 BPM_B221.BPR_N4
4 BPM_B231.BPR_N4
5 BPM_B241.BPR_N4
6 BPM_B251.BPR_N4

Display error codes (4th column in the table above) in red text.

BPM_N261   <u>INSTRUCTION</u>: Was anyone in the room with the respondent (e.g., HMS, parent or guardian) when the blood pressure measurements were taken?

1   Yes
2   No
(DK, RF not allowed)

BPM_C261B   If BPM_N260 = 2, go to BPM_D401.
Otherwise, go to BPM_D261.

BPM_C411   If BPM_D411A = RESPONSE and BPM_D411A > 2, go to BPM_D411B.
                               Otherwise, go to BPM_D412A.

BPM_R411   **[Your average blood pressure today was ^BPM_D317 / ^BPM_D318
                               mmHg, which means your blood pressure is indicative of severe
                               hypertension. You should see a doctor or clinic today, or go to a
                               hospital emergency room, to have your blood pressure re-checked.**

                               **Because of these results, we will not continue with your clinic
                               visit./EMPTY]**

                               INSTRUCTION: **[- Answer any questions as thoroughly as possible.
                               - Sign the blood pressure reporting letter and ensure that the exit and
                               sign-out components are completed as soon as possible./The
                               respondent's average blood pressure was ^BPM_D317 / ^BPM_D318
                               mmHg, which means their blood pressure is [high-normal/indicative of
                               mild hypertension/indicative of moderate hypertension]. A blood
                               pressure reporting letter will be generated at the end of the clinic visit.]**

                               Go to BPM_END

BPM_C412   If BPM_D412A = RESPONSE and BPM_D412A > 2, go to BPM_D412B.
                               Otherwise, go to BPM_C599.

BPM_R412   **[Your average blood pressure today was ^BPM_D317 / ^BPM_D318
                               mmHg, this means your blood pressure is very high. You should see a
                               doctor or clinic today, or go to a hospital emergency room, to have
                               your blood pressure re-checked.**

                               **Because of these results, we will not continue with your clinic
                               visit./EMPTY]**

                               INSTRUCTION: **[- Answer any questions as thoroughly as possible.
                               - Sign the blood pressure reporting letter and ensure that the exit and
                               sign-out components are completed as soon as possible./The
                               respondent's average blood pressure was ^BPM_D317 / ^BPM_D318
                               mmHg, this means their blood pressure was high. A blood pressure
                               reporting letter will be generated at the end of the clinic visit.]**

                               Press <1> to continue.

                               Go to BPM_END

BPM_C599   If BPM_D317 = RESPONSE, go to BPM_END.
                               Otherwise, go to BPM_N600.

BPM_N600   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to BPM_S600)
(DK, RF not allowed)

Go to BPM_END

BPM_S600   (Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

BPM_END

Blood Pressure Recording (BPR)

BPR_BEG
Called block

External variables required:
BPM_N101: record how the data will be captured
BPM_N201: record how the data will be captured

BPR_N1A
<u>INSTRUCTION</u>: Record the systolic blood pressure measurement.

|_|_|_| Systolic blood pressure (in mmHg)
(MIN: 30)
(MAX: 300)

DK, RF

BPR_N1B
<u>INSTRUCTION</u>: Re-enter the systolic blood pressure measurement.

|_|_|_|
(MIN: 30)
(MAX: 300)

DK, RF

BPR_C2
If BPR_N1A = RF, go to BPR_END.
Otherwise, go to BPR_N2A.

BPR_N2A
<u>INSTRUCTION</u>: Record the diastolic blood pressure measurement.

|_|_|_| Diastolic blood pressure (in mmHg)
(MIN: 30)
(MAX: 200)

DK
(RF not allowed)

BPR_N2B
<u>INSTRUCTION</u>: Re-enter the diastolic blood pressure measurement.

|_|_|_|
(MIN: 30)
(MAX: 200)

DK
(RF not allowed)

BPR_N3A
<u>INSTRUCTION</u>: Record the heart rate.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 200)

DK
(RF not allowed)

BPR_N3B
<u>INSTRUCTION</u>: Re-enter the heart rate.

|_|_|_|
(MIN: 30)
(MAX: 200)

DK
(RF not allowed)

BPR_C4   If BPR_N1A = DK or BPR_N2A = DK, go to BPR_N4.
                   Otherwise, go to BPR_END.

BPR_N4   INSTRUCTION: Record the reason why the measurement could not be
                   taken.

                   Mark all that apply.

                   00   Too few pulses detected
                   01   Excessive motion artifacts
                   06   Deflation too fast
                   08   Low pulse amplitude
                   20   Indeterminate systolic
                   blood pressure
                   21   Indeterminate diastolic
                   blood pressure
                   23   Systolic blood pressure
                   under-range
                   24   Diastolic blood pressure
                   under-range
                   25   Systolic blood pressure
                   over-range
                   26   Diastolic blood pressure
                   over-range
                   88   Other - Specify   (Go to BPR_S5)
                   (DK, RF not allowed)

BPR_C5   If BPR_N4 = 88, go to BPR_S5.
                   Otherwise, go to BPR_END.

BPR_S5   (Record the reason why the measurement could not be taken.)

                   INSTRUCTION: Specify.

                   _____

                   (80 spaces)

                   (DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text*
                   after <Enter> is pressed.

BPR_END

Phlebotomy Component Introduction (PHI)

PHI_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
SELFAST: whether the respondent was selected to fast for 12 hours (1 = fasting, 2 = non-fasting)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
ATG_Q11: time at which the respondent last ate/drank
ATG_N11: date at which the respondent last ate/drank (1 = Yesterday; 2 = Today)
DT_ATGN11E: English text for reported fasting date (Yesterday/Today)
ATG_D12: Fasting status as it relates to laboratory tests, identified in screening (1 = fasting; 2 = non-fasting)
SCS_N12: type of visit

Screen display:
The following header should be displayed for each question:
   Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: ^DT_RespondentName   Age: ^CON_AGE   Sex: ^GenderE

PHI_R10

Hi, my name is.... Please have a seat on the chair, I need to ask you a few questions before we begin.

<u>INSTRUCTION</u>: Press <1> to continue.

Programmer: *Allow 'DK' as a response category*

If PHI_R10 = DK, go to PHI_END.
Otherwise, go to PHI_D10.

PHI_Q11

I need to confirm your fasting status. When did you last eat or drink anything other than water (e.g., coffee, tea, alcohol, juice or flavoured water)?

The respondent reported last eating or drinking at ^ATG_Q11 ^DT_ATGN11E.

INSTRUCTION: Probe to determine the date and time at which the respondent last ate or drank something that does not meet the phlebotomy fasting requirements.

Record whether the fasting time and date recorded during the screening component are correct.

1   Yes   (Go to PHI_C12)
2   No
(DK, RF not allowed)

Help text: *The respondent is still considered fasted if the following have been consumed within the indicated time-frame:*

      o *Black coffee - up until the time of the appointment*
      o *Coffee with milk/cream - up to 2 hours prior to the appointment*
      o *Juice - up to 2 hours prior to the appointment*
      o *Gum and candy - up to the appointment*

The respondent is not considered fasted if the following have been consumed within the past 10 hours:

      o *Liquids other than those indicated above, including*
          o *Milkshakes*
          o *Protein shakes*
          o *Meal replacements*
          o *Milk*
          o *Energy drinks*
          o *Any other beverages or supplements*
      o *Any food*

PHI_N11   INSTRUCTION: Enter the time (followed by "AM" or "PM") at which the respondent last ate or drank something that does not meet the phlebotomy fasting requirements.

(MIN: 1)
(MAX: 13)

(DK, RF not allowed)

PHI_N12A   INSTRUCTION: Confirm the date.

1   Yesterday
2   Today
(DK, RF not allowed)

PHI_C12   If SCS_N12 = 3, go to PHI_D12.
Otherwise, go to PHI_N12B.

PHI_N12B   INSTRUCTION: Enter the time (followed by "AM" or "PM") the fasting question (PHI_Q11 or PHI_N11) was asked to the respondent.

(MIN: 1)
(MAX: 13)

(DK, RF not allowed)

PHI_END

Blood Collection (BDC)

BDC_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
T211FLAG: Flag for test 211.

Variables assigned in Variable Creation (Appendix II):
DryRun: whether the case is a dry run case
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_AGE: age of respondent
CON_SEX: sex of respondent
GenderE: English text for sex of respondent
CON_D25: Whether the respondent, parent or guardian has provided consent to storage of blood and urine (1 = Yes, 2 = No)
CON_N26: whether the respondent provided consent for DNA storage
BVOCFLG: Blood VOC subsampling flag
PHC_Q56: whether the respondent felt dizzy or fainted previously during a blood draw
PHI_R10: introduction to the phlebotomy component
PHC_Q57B: indicator of which side the respondent has had a mastectomy (1=right, 2=left, 3=both)

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

BDC_C9

If PHI_R10 = DK, go to BDC_N44.
Otherwise, go to BDC_C10.

BDC_C10

If PHC_Q56 = 1, go to BDC_N10.
Otherwise, go to BDC_Q21.

BDC_N10

INSTRUCTION: During the screening component, the respondent has stated they have felt dizzy or fainted previously during a blood draw. Probe and take the appropriate precautions.

Press <1> to continue.

1   Continue
(DK, RF not allowed)

BDC_Q21   **I am going to do the blood draw.**

INSTRUCTION: Explain the procedure to the respondent. Perform the blood draw on **[the left arm/the right arm/either the left or the right arm]**.

Press <1> to Continue

1   Continue
(DK not allowed)
RF   (Go to BDC_END)

BDC_N24   INSTRUCTION: Record which of the required tubes of blood were collected.
Include only the collected tubes that apply.

Mark all that apply.

39   None of the required
tubes
(DK not allowed)
RF

Programmer: *By default all main tubes should be selected. However, if BDC_N24 = 39, then deselect all the other responses.*
In the application, the answer categories numbers are not showed to the interviewer but they will be returned for processing.

For example instead of displaying:
1. Tube 11

It will show up as:
__Tube 11

BDC_N35   INSTRUCTION: Press <1> to print the blood collection tube labels.

1   Print the labels
(DK, RF not allowed)

BDC_N42   INSTRUCTION: In the presence of the respondent, stick each label on the appropriate blood collection tube.

Press <1> to continue.

1   Continue
(DK, RF not allowed)

Programmer:	*Data should be displayed on the screen in the following format (but if label number and tubetype are EMPTY, do not display the category):*

Label Number   Tube Type

^Label10	^TubeType10
^Label11	^TubeType11
^Label12	^TubeType12
^Label13	^TubeType13
^Label15	^TubeType15
^Label16	^TubeType16
^Label20	^TubeType20
^Label21	^TubeType21
^Label22	^TubeType22
^Label23	^TubeType23
^Label 24	^TubeType24
^Label25	^TubeType25
^Label26	^TubeType26
^Label 27	^TubeType27
^Label29	^TubeType29
^Label30	^TubeType30
^Label31	^TubeType31
^Label32	^TubeType32
^Label33	^TubeType33
^Label40	^TubeType40
^Label41	^TubeType41
^Label42	^TubeType42
^Label43	^TubeType43
^Label44	^TubeType44
^Label50	^TubeType50
^Label51	^TubeType51
^Label52	^TubeType52
^Label60	^TubeType60
^Label61	^TubeType61
^Label62	^TubeType62
^Label63	^TubeType63
^Label64	^TubeType64
^Label211	^TubeType211
^Label99	^TubeType99

*if it is a dry run then two 211 will be collected.

BDC_C44   If all of the required main tubes or sub tubes were collected, go to BDC_N51.
Otherwise, go to BDC_N44.

BDC_N44   <u>INSTRUCTION</u>: Record the reason why all required tubes were not collected.

01	Respondent refused	
02	Respondent fainted	
03	Unable to find vein	
04	Blood flow stopped	
05	Physical limitation	
06	Other - Specify	(Go to BDC_S44)
07	No time	
08	Respondent unable to	

continue for health reasons
(DK, RF not allowed)

Go to BDC_C51

BDC_S44   (Record the reason why all required tubes were not collected.)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

BDC_C51   If PHI_R10 = DK, go to BDC_END.
Otherwise, go to BDC_N51.

BDC_N51   INSTRUCTION: Record whether another staff member assisted with the blood draw.

1   Yes
2   No   (Go to BDC_END)
(DK, RF not allowed)

BDC_N52   INSTRUCTION: Record the HMSID of the staff member that assisted with the blood draw.

|_|_|_|_|
(MIN: 1,000)
(MAX: 9,995)

(DK, RF not allowed)

BDC_END

Saliva Collection Block (SC1)

SC1_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
RespondentFirstName: first name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: Visit type (3= Start Clinic Visit, 4 = Capture Home Visit)

Screen display:
 The following header should be displayed for each question:
 Stand: ^STAND   Date: ^CurrentDate   Session: ^SessionE   Comp: ^CompE
 Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

SC1_Q005

Now, we would like you to provide a saliva sample.

INSTRUCTION: Press <1> to continue.

1   Continue
DK, RF   (Go to SC1_D070)

SC1_R015

I will show you the various parts of the saliva collection kit.
- Funnel lid containing a liquid
- Funnel
- Tube marked with a fill line

INSTRUCTION: Press <1> to continue.

SC1_Q020
Please use [this tube/these tubes] to collect your saliva sample.
- Do not remove the plastic film from the funnel lid.
- [Have ^RespondentName roll/Roll] your tongue to increase the amount of saliva in your mouth.
- You can also massage your cheeks to increase saliva production.
- [Have ^RespondentName spit/Spit] into the funnel until the amount of saliva (not the bubbles) reaches the fill line indicated on the tube. [Make sure the funnel lid is not closed inadvertently by ^RespondentFirstName when he/she is spitting in the funnel/Make sure the funnel lid is not closed inadvertently when you are spitting in the funnel].
- Once you are finished, hold the tube upright and place it in the rack.

INSTRUCTION: Give the respondent a sugar packet if he is not able to spit due to dry mouth.

Note: If the respondent doesn't understand the word "saliva", substitute this word with "spit".

Answer any questions as thoroughly as possible.

Press <1> to continue.

1　　　Continue
DK, RF　　　　　　　　　　　　　(Go to SC1_D070)

SC1_N025
INSTRUCTION: Press <1> to print [one saliva collection tube label/two saliva collection tube labels] with the respondent's CLINICID plus the TESTID.

In the presence of the respondent, stick the [label/labels] on the collection [tube/tubes].

1　　　Print
(DK, RF not allowed)

Programmer: 　　*Print a label (type 9) of CLINICID + '920'*

In addition, IF CON_AGE > 5, print another label (type 9) of CLINICID + '921'

SC1_N035
INSTRUCTION: Scan the barcode on the saliva collection tube.

|_|_|_|_|_|_|_|_|_|_|_|
(MIN: 50,000,000,900)
(MAX: 59,999,999,999)

(DK, RF not allowed)

SC1_N040
INSTRUCTION: Record whether the respondent provided a saliva sample.

1　　　Yes
2　　　No　　　　　　　　　(Go to SC1_C050A)
(DK, RF not allowed)

SC1_N045	INSTRUCTION: The required saliva volume is indicated by the fill line marked on the collection tube. Did the respondent provide a saliva sample of sufficient volume? 1 Full 2 Partial 3 Insufficient (DK, RF not allowed)
SC1_C050A	If CON_AGE > 5, go to SC1_N050. Otherwise, go to SC1_C050B.
SC1_C050B	If SC1_N040 = 2, go to SC1_D070. Otherwise, go to SC1_N065.
SC1_N050	INSTRUCTION: Scan the barcode on the second saliva collection tube. |_|_|_|_|_|_|_|_|_|_| (MIN: 50,000,000,900) (MAX: 59,999,999,999) (DK, RF not allowed)
SC1_N055	INSTRUCTION: Record whether the respondent provided a saliva sample. 1 Yes (Go to SC1_N060) 2 No (Go to SC1_C060) (DK, RF not allowed)
SC1_C060	If SC1_N040 = 1 and SC1_N055 = 2, go to SC1_N065. Otherwise, go to SC1_D070.
SC1_N060	INSTRUCTION: The required saliva volume is indicated by the fill line marked on the collection tube. Did the respondent provide a saliva sample of sufficient volume? 1 Full 2 Partial 3 Insufficient (DK, RF not allowed)
SC1_N065	INSTRUCTION: - Close the funnel lid(s) by firmly pushing the lid(s) until you hear a click. The DNA stabilizing liquid will flow into the collection tube. - Unscrew the funnel from the tube(s) and close the tube(s) tightly with the small cap. - Shake the capped tube(s) for 5 seconds. Press <1> to continue. 1 Continue (DK, RF not allowed)

SC1_C080A	If SC1_D070 in (70, 80) and SC1_D075 in (70, 80, EMPTY), go to SC1_END. Otherwise, go to SC1_C080B.
SC1_C080B	If SC1_D070 = 79 and (SC1_Q005 =DK or SC1_Q020 =DK), go to SC1_N140. Otherwise, go to SC1_D085.
SC1_R085	**We did not obtain [""/enough] saliva. We will try to collect [""/additional] saliva before the end of the clinic visit.** INSTRUCTION: Mark a new fill line on the collection tube with a sharpie. Put the funnel and capped tube back into the kit. A label will be printed with the respondent's shortname to identify the kit. Press <1> to continue.
Programmer:	*Print a label (type 3) of CLINICID + short-name.*
SC1_N090	INSTRUCTION: Please scan the respondent's bracelet. |_|_|_|_|_|_|_| (MIN: 50,000,000) (MAX: 59,999,999) DK (Go to SC1_N140) RF (Go to SC1_END)
SC1_C095	If SC1_D070 = 70, go to SC1_C100. Otherwise, go to SC1_N095.
SC1_N095	INSTRUCTION: Scan the barcode on the 920 saliva collection tube. |_|_|_|_|_|_|_|_|_|_| (MIN: 50,000,000,900) (MAX: 59,999,999,999) (DK, RF not allowed)
SC1_C100	If SC1_D075 = 70 or EMPTY, go to SC1_D105. Otherwise, go to SC1_N100.
SC1_N100	INSTRUCTION: Scan the barcode on the 921 saliva collection tube. |_|_|_|_|_|_|_|_|_|_| (MIN: 50,000,000,900) (MAX: 59,999,999,999) (DK, RF not allowed)

SC1_N105	INSTRUCTION: [Please add more saliva to this tube./Please provide a saliva sample in this tube./Please provide a saliva sample in the empty tube and please add some extra saliva to the partially filled tube./Please add more saliva to these tubes./Please provide a saliva sample in these tubes.]
	Answer any questions as thoroughly as possible.
	Press <1> to continue.
	1 Continue DK (Go to SC1_N140) RF (Go to SC1_END)
SC1_C110	If SC1_D070 = 70, go to SC1_C125A. Otherwise, go to SC1_N110.
SC1_N110	INSTRUCTION: Scan the barcode on the 920 saliva collection tube. |_|_|_|_|_|_|_|_|_|_|_| (MIN: 50,000,000,900) (MAX: 59,999,999,999) (DK, RF not allowed)
SC1_N115	INSTRUCTION: Record whether the respondent provided a saliva sample. 1 Yes 2 No (Go to SC1_C125A) (DK, RF not allowed)
SC1_N120	INSTRUCTION: The required saliva volume is indicated by the fill line marked on the collection tube. Did the respondent provide a saliva sample of sufficient volume? 1 Full 2 Partial 3 Insufficient (DK, RF not allowed)
SC1_C125A	If SC1_N115 = 2 and (SC1_D075 = 70 or EMPTY), go to SC1_N140. Otherwise, go to SC1_C125B.
SC1_C125B	If SC1_D075 = 70 or EMPTY, go to SC1_END. Otherwise, go to SC1_N125.
SC1_N125	INSTRUCTION: Scan the barcode on the 921 saliva collection tube. |_|_|_|_|_|_|_|_|_|_|_| (MIN: 50,000,000,900) (MAX: 59,999,999,999) (DK, RF not allowed)

SC1_N130

INSTRUCTION: Record whether the respondent provided a saliva sample.

1 Yes
2 No (Go to SC1_N140)
(DK, RF not allowed)

SC1_N135

INSTRUCTION: The required saliva volume is indicated by the fill line marked on the collection tube.

Did the respondent provide a saliva sample of sufficient volume?

1 Full
2 Partial
3 Insufficient
(DK, RF not allowed)

Go to SC1_END

SC1_N140

INSTRUCTION: Why was the component not fully completed?

01 Respondent unable to continue for health reasons
02 Respondent unable to understand technique
03 Respondent refuses to continue
04 Equipment problem / technical difficulty
05 Respondent's mental condition
06 No time
20 Other - Specify (Go to SC1_S140)
(DK, RF not allowed)

Go to SC1_END

SC1_S140

(Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Go to SC1_END

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

SC1_END

Peripheral Quantitative Computed Tomography Measurement Block (QCT)

QCT_BEG

Content block

External fields required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

BMR_Q010: whether the respondent has broken their (right, left or both) leg(s) below the knee in the last 12 months
BMR_Q020: whether the respondent has metal in their (right, left or both) leg(s) below the knee, including the ankle

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

QCT_Q010

We will be doing a test of your [right/left] lower leg to measure your bone mineral density.

1   Press <1> to continue.
DK   (Go to QCT_N085)
(RF not allowed)

QCT_Q015

There are two parts to the test which will take 8 to 10 minutes altogether. There will be a small amount of radiation, but it will be less than you would get if you were having a dental x-ray. Do you have any questions before we begin?

INSTRUCTION: Answer any questions as thoroughly as possible.

1   Press <1> to continue.
(DK not allowed)
RF   (Go to QCT_N090)

QCT_R020

Please remove your sock and shoe from your [right/left] leg (and roll up your pant leg to above the knee).

INSTRUCTION: Press <1> to continue.

QCT_R025

I need to know the length of your lower leg to complete the test. In order to take the measurement, I will mark a point on your knee and ankle using a washable marker. When I'm done, I'll remove them with a wipe.

INSTRUCTION: Measure and write down on a notepad the length of the respondent's tibia in millimeters (mm). You will need to enter this value later in the pQCT software.

Press <1> to continue.

QCT_R030

I need to enter some information into the computer to prepare for the test. This will only take a few minutes.

INSTRUCTION: Enter the respondent information into the Packager and pQCT software then proceed to the scout view (SV) start position.

Press <1> to continue.

Help text:

Scan the respondent's bracelet (Clinic ID) into the Packager software.

Open the pQCT software and enter the required information as follows:
- Name: scan the respondent's bracelet (Clinic ID).
- Birth: scan the DOB barcode or manually enter "11/11/1911".
- Record the CT number assigned to the respondent on a notepad.
- Proceed to the measurement screen and complete the "side of object" and "object length" fields.
- Move the gantry assembly to the scout view (SV) start position.

QCT_N035

INSTRUCTION: Enter the CT number for the respondent's scan series.

|_|_|_|_|_|
(MIN: 20,000)
(MAX: 63,000)

(DK, RF not allowed)

QCT_R040

Without holding on to the equipment, I need you to lift your [right/left] leg up and put it through the holder so we can position your leg. Rest your heel in the footrest and make sure you are comfortable.

I am going to adjust the holder so your knee is in the right position and fit the strap around your foot to help you to hold it still.

INSTRUCTION: Position the respondent in the scanner so that the centering light is at the level of the tip of the lateral malleolus.

Press <1> to continue.

QCT_N045

INSTRUCTION: Were you able to position the respondent?

1   Yes
2   No   (Go to QCT_N085)
(DK, RF not allowed)

QCT_Q050

We are ready to start the first part of the test. Please hold completely still and do not talk for about 2-3 minutes. I will let you know when we are finished.

INSTRUCTION: Was the first scout view (SV) successful?

1	Yes	(Go to QCT_N065)
2	No	
DK		(Go to QCT_N085)

(RF not allowed)

QCT_Q060

The first part of the test was not successful. We'll have to try it again. Please hold completely still and do not talk for about 2-3 minutes. I will let you know when we are finished.

INSTRUCTION: Was the second scout view (SV) successful?

1	Yes	
2	No	(Go to QCT_N085)

(DK, RF not allowed)

QCT_N065

INSTRUCTION: Set the reference line.

1   Press <1> to continue.
(DK, RF not allowed)

Help text:

Open growth plate: If the respondent has an open growth plate, the reference line is drawn through the distal portion.

Closed growth plate: If it is a closed growth plate, the reference line is drawn through the middle of the medial border of the articular cartilage.

QCT_R070

The first part is finished, but I still need you to keep your leg still and in that position. The next part will be longer, about 6-8 minutes. You need to stay still and not talk until I tell you the test is done.

INSTRUCTION: Ensure the respondent is comfortable and perform the measurement scan. Remind the respondent as needed during the scan that they must hold completely still and refrain from talking or looking around.

Press <1> to continue.

QCT_N075A

INSTRUCTION: Enter the respondent dose.

(MIN: 0.00)
(MAX: 10.00)

(DK, RF not allowed)

Help text:

The dose can be found at the bottom of the "Measurement Finished" screen.

QCT_N075B

INSTRUCTION: Re-enter the respondent dose.

(MIN: 0.00)
(MAX: 10.00)

(DK, RF not allowed)

QCT_N080A   INSTRUCTION: Enter the number of measurement slices completed.

|_|
(MIN: 0)
(MAX: 3)

(DK, RF not allowed)

QCT_N080B   INSTRUCTION: Re-enter the number of measurement slices completed.

|_|
(MIN: 0)
(MAX: 3)

(DK, RF not allowed)

QCT_C085   If QCT_N080A = 3, go to QCT_END.
Otherwise, go to QCT_N085.

QCT_N085   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to
continue for health reasons
03   Respondent refuses to   (Go to QCT_N090)
continue
04   Equipment problem /
technical difficulty
05   Respondent's mental
condition
06   No time
07   Unable to position
respondent in scanner
08   Respondent unable to
hold still
20   Other - Specify   (Go to QCT_S085)
(DK, RF not allowed)

Go to QCT_END

QCT_S085   Why was the component not fully completed?

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Go to QCT_END

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

QCT_N090 INSTRUCTION: Did the respondent refuse the test because of the radiation exposure?

1   Yes
2   No
DK
(RF not allowed)

QCT_END

Visual Acuity Scenario's (VAS)

VAS_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: English text for sex of respondent
CON_AGE: age of respondent
DVC_Q010: Whether the respondent wears eyeglasses or contacts. 1= yes, 2 = no
DVC_Q015: Whether the respondent wears eyeglasses or contacts for distance viewing. 1= yes, 2 = no
VIC_N005: whether the respondent is currently wearing glasses.
VIC_Q010: whether the respondents glasses are for distance viewing.
VIC_Q015: whether the respondent is currently wearing contacts
VIC_Q020: whether the respondents contacts are for distance viewing.
VIC_Q025: whether the respondent brought distance viewing glasses, with him/her.
VIC_Q030: whether the respondent removed his/her distance viewing contacts

Screen Display:
The following header should be displayed for each question:
Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

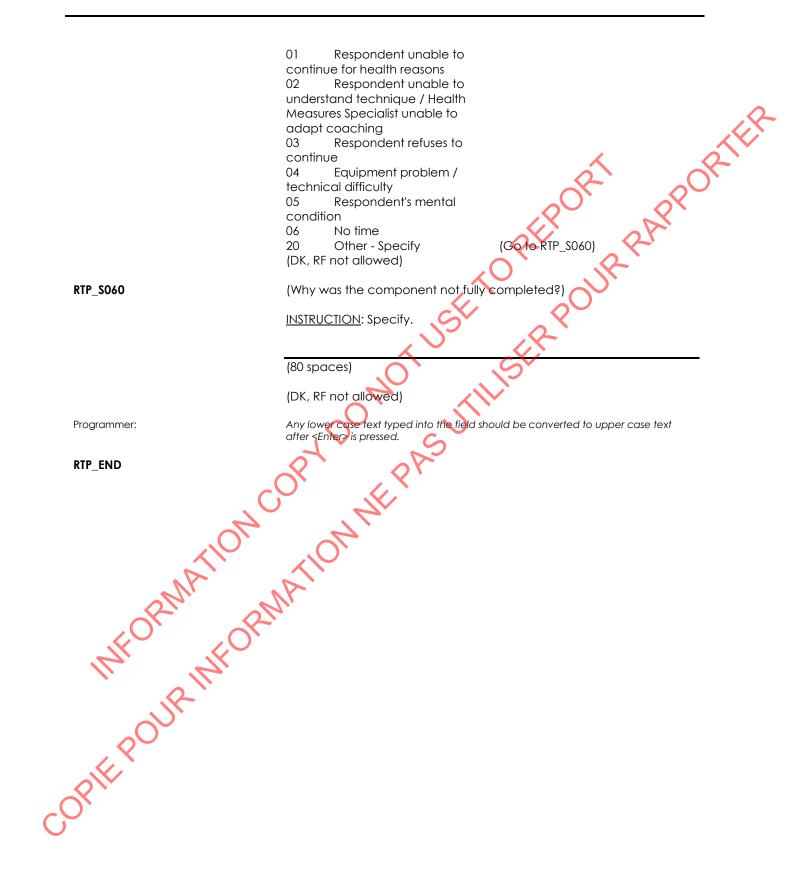|	
VAS_END	

Visual Acuity Measurement (VAM)

VAM_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
HUI_Q025: whether the respondent can see well enough to recognize a friend on the other side of the street with glasses or contact lenses

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentFirstName: first name of respondent
RespondentLastName: last name of respondent
CON_SEX: English text for sex of respondent
CON_AGE: age of respondent
VAS_D005: whether the use of a pinhole occluder is anticipated for the visual acuity test (1 = Pinhole, 2 = Non-pinhole).
VAS_D010: Distance eyewear status for the visual acuity test (1= no distance viewing correction; 2 = contacts for distance viewing; 3 = glasses for distance viewing)
VIR_D050: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D055: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
DVC_Q015: whether the respondent wears distance viewing glasses or contacts

PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
1 = male, non-proxy
2 = female, non-proxy
3 = male, proxy
4 = female, proxy

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

VAM_Q005   **Now, we will be doing a test to evaluate your ability to see from a certain distance.**

	1 Press <1> to continue.
	DK (Go to VAM_N060)
	(RF not allowed)

VAM_C010

If VAS_D005 = 1, go to VAM_Q020.
Otherwise, go to VAM_C015.

VAM_C015

If VAS_D010 = 1, go to VAM_Q020.
Otherwise, go to VAM_Q015.

VAM_Q015

In order to perform the following vision test, you will need to wear your distance viewing glasses or contacts. Are you wearing your distance viewing glasses or contacts?

<u>INSTRUCTION</u>: Is the respondent currently wearing their distance viewing glasses or contacts?

1   Yes
2   No   (Go to VAM_C040F)
(DK, RF not allowed)

VAM_Q020

I would like you to sit up straight, facing forward with your hands on your lap. For this test, you will be reading the letters that appear on the screen in front of you.

<u>INSTRUCTION</u>: - Ensure that the respondent's eyes are properly aligned (at the right height) with the monitor and that their chair is positioned 2 metres from the screen. Adjust the chair if necessary.
- Ensure that the respondent is sitting up straight and not leaning towards the screen.

1   Press <1> to continue.
(DK not allowed)
RF   (Go to VAM_END)

VAM_C025A

If VAS_D005 = 1, go to VAM_C040F.
Otherwise, go to VAM_C025B.

VAM_C025B

If VIR_D050 = 1 and VIR_D055 = 1, go to VAM_B025.
Otherwise, go to VAM_C025C.

VAM_C025C

If VIR_D050 = 1 and VIR_D055 = 2, go to VAM_B030.
Otherwise, go to VAM_B035.

VAM_B025

Call the Visual Acuity Recording Block (VAR).

Programmer:

*Pass DT_INTRO_TEXTEE = "**Please read the first line of letters on the screen slowly, from left to right with <u>both eyes open</u>.**" as parameter.*
Pass DT_INSTRUCTION_TEXTEE = "Have the respondent <u>use both eyes without</u> the use of the <u>occluders</u>." as parameter.
Pass DT_TESTSELECTED_TEXTE = "<u>ETDRS1</u>" as parameter.

Display underlined dynamic text in red text font.

VAM_C030

If VAM_B025.VAR_Q005 = DK or VAM_B025.VAR_N010A = DK, go to VAM_D040.
Otherwise, go to VAM_B030.

VAM_B030   Call the Visual Acuity Recording Block (VAR).

Programmer: *Pass DT_INTRO_TEXTEE = "**Please place this <u>solid occluder</u> over your <u>left eye</u>.**" as parameter.*
Pass DT_INSTRUCTION_TEXTEE = "Have the respondent <u>cover their left eye</u> with a <u>solid occluder</u>." as parameter.
Pass DT_TESTSELECTED_TEXTE = "<u>ETDRS2</u>" as parameter.

Display underlined dynamic text in red text font.

VAM_C035   If VIR_D055 = 2, go to VAM_D040.
Otherwise, go to VAM_B035.

VAM_B035   Call the Visual Acuity Recording Block (VAR).

Programmer: *Pass DT_INTRO_TEXTEE = "**Please place this <u>solid occluder</u> over your <u>right eye</u>.**" as parameter.*
Pass DT_INSTRUCTION_TEXTEE = "Have the respondent cover their <u>right eye</u> with a <u>solid occluder</u>." as parameter.
Pass DT_TESTSELECTED_TEXTE = "<u>ETDRSR</u>" as parameter.

Display underlined dynamic text in red text font.

VAM_C040A   If DVC_Q015 = 1 and HUI_Q025 = 2, go to VAM_C040F.
Otherwise, go to VAM_C040B.

VAM_C040B   If VAM_D040 = 1, go to VAM_C040C.
Otherwise, go to VAM_C055.

VAM_C040C   If VAM_B025.VAR_D020 ≥ 40 or (VAM_B025.VAR_N010A = RESPONSE and VAM_B025.VAR_D020 = EMPTY), go to VAM_B040.
Otherwise, go to VAM_C040D.

VAM_C040D   If VAM_B030.VAR_D020 ≥ 40 or (VAM_B030.VAR_N010A = RESPONSE and VAM_B030.VAR_D020 = EMPTY), go to VAM_B045.
Otherwise, go to VAM_C040E.

VAM_C040E   If VAM_B035.VAR_D020 ≥ 40 or (VAM_B035.VAR_N010A = RESPONSE and VAM_B035.VAR_D020 = EMPTY), go to VAM_B050.
Otherwise, go to VAM_C055.

VAM_C040F   If VIR_D050 = 1 and VIR_D055 = 1, go to VAM_B040.
Otherwise, go to VAM_C040G.

VAM_C040G   If VIR_D050 = 1 and VIR_D055 = 2, go to VAM_B045.
Otherwise, go to VAM_B050.

VAM_B040   Call the Visual Acuity Recording Block (VAR).

Programmer: *Pass DT_INTRO_TEXTEE = "**Please place these <u>pinhole occluders</u> over <u>both of your eyes</u>.**" as parameter.*
Pass DT_INSTRUCTION_TEXTEE = "Provide the respondent with <u>two pinhole occluders</u> to place over <u>both eyes</u>." as parameter.
Pass DT_TESTSELECTED_TEXTE = "<u>ETDRS1</u>" as parameter.

Display underlined dynamic text in red text font.

VAM_C045A	If VAM_B040.VAR_Q005 = DK or VAM_B040.VAR_Q010A = DK, go to VAM_C055. Otherwise, go to VAM_C045B.
VAM_C045B	If VAS_D005 = 1 or VAM_B030.VAR_D020 ≥ 40 or VAM_Q015 = 2 or (DVC_Q015 = 1 and HUI_Q025 = 2) or (VAM_B030.VAR_N010A = RESPONSE and VAM_B030.VAR_D020 = EMPTY), go to VAM_B045. Otherwise, go to VAM_C050A.
VAM_B045	Call the Visual Acuity Recording Block (VAR).
Programmer:	*Pass DT_INTRO_TEXTEE = "**Please place this <u>pinhole occluder</u> over your <u>right eye</u> and the <u>solid occluder</u> over your <u>left eye</u>.**" as parameter.* *Pass DT_INSTRUCTION_TEXTEE = "Provide the respondent with a <u>pinhole occluder</u> to cover the <u>right eye</u> and a <u>solid occluder</u> to cover the <u>left eye</u>." as parameter.* *Pass DT_TESTSELECTED_TEXTE = "<u>ETDRS2</u>" as parameter.* *Display underlined dynamic text in red text font.*
VAM_C050A	If VIR_D055 = 1, go to VAM_C050B. Otherwise, go to VAM_C055.
VAM_C050B	If VAS_D005 = 1 or VAM_B035.VAR_D020 ≥ 40 or VAM_Q015 = 2 or (DVC_Q015 = 1 and HUI_Q025 = 2) or (VAM_B035.VAR_N010A = RESPONSE and VAM_B035.VAR_D020 = EMPTY), go to VAM_B050. Otherwise, go to VAM_C055.
VAM_B050	Call the Visual Acuity Recording Block (VAR).
Programmer:	*Pass DT_INTRO_TEXTEE = "**Please place this <u>solid occluder</u> over your <u>right eye</u> and the <u>pinhole occluder</u> over your <u>left eye</u>.**" as parameter.* *Pass DT_INSTRUCTION_TEXTEE = "Provide the respondent with a <u>solid occluder</u> to cover the <u>right eye</u> and a <u>pinhole occluder</u> to cover the <u>left eye</u>." as parameter.* *Pass DT_TESTSELECTED_TEXTE = "<u>ETDRSR</u>" as parameter.* *Display underlined dynamic text in red text font.*
VAM_C055	If VAM_B025.VAR_Q005 = DK or VAM_B025.VAR_N010A = DK or VAM_B030.VAR_Q005 = DK or VAM_B030.VAR_N010A = DK or VAM_B035.VAR_Q005 = DK or VAM_B035.VAR_N010A = DK or VAM_B040.VAR_Q005 = DK or VAM_B040.VAR_N010A = DK or VAM_B045.VAR_Q005 = DK or VAM_B045.VAR_N010A = DK or VAM_B050.VAR_Q005 = DK or VAM_B050.VAR_N010A = DK, go to VAM_N060. Otherwise, go to VAM_END.
VAM_N060	<u>INSTRUCTION</u>: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to VAM_S060)
(DK, RF not allowed)

VAM_S060   (Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

VAM_END

Visual Acuity Recording (VAR)

VAR_BEG

Called block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: English text for sex of respondent
CON_AGE: age of respondent
VAM -DT_INTRO_TEXTEE: Introduction text to indicate to the respondent what portion of the test they will be doing
VAM -DT_INSTRUCTION_TEXTEE: Instruction text to indicate the evaluator how the test should be performed
VAM -DT_TESTSELECTED_TEXTEE: Text indicating which set of letters should be selected to perform the test

Screen Display:
The following header should be displayed for each question:
Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

VAR_Q005

^DT_INTRO_TEXTEE You will read the first line, slowly, from left to right and then stop. I will let you know when to start reading the next line.

Do not squint when reading the letters.

(Do you have any questions?)

INSTRUCTION: - ^DT_INSTRUCTION_TEXTEE
- Ensure that the ^DT_TESTSELECTED_TEXTEE test is selected and start at the 200 level.
- Have the respondent read the letters one line at a time.

1   Press <1> to continue.
DK   (Go to VAR_END)
(RF not allowed)

Help text: *Remote:*

- Ensure that the appropriate screen is selected (press 'FNC' on the remote then 'LTR')
- You will see the test selected on the "Smart Sys Screen Info" pop-up screen.
- Press the '200' number on the remote.

Keyboard:

- Ensure that the appropriate screen is selected (press 'J' on the keyboard)
- You will see the test selected on the "Smart Sys Screen Info" pop-up screen.
- Use the up arrows until you get to the 200 level.

VAR_N010A   INSTRUCTION: Record the level at which the respondent failed to identify all the letters correctly.

|_|_|_|
(MIN: 10)
(MAX: 200)

DK   (Go to VAR_END)
(RF not allowed)

VAR_N010B   INSTRUCTION: Re-enter the level at which the respondent failed to identify all the letters correctly.

|_|_|_|
(MIN: 10)
(MAX: 200)

(DK, RF not allowed)

VAR_N015A   INSTRUCTION: How many letters did the respondent correctly identify on level ^VAR_N010A?

|_|
(MIN: 0)
(MAX: 5)

(DK, RF not allowed)

VAR_N015B   INSTRUCTION: Re-enter the number of letters that the respondent correctly identified on the level ^VAR_N010A.

|_|
(MIN: 0)
(MAX: 5)

(DK, RF not allowed)

VAR_END

Visual Field (Frequency Doubling Test) Introduction (FDTI)

FDTI_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES: whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: english text of when the clinic visit is taking place
CON_DDN: respondent's confirmed date of birth

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: english text for sex of respondent
CON_SEX: sex of respondent
CON_AGE: age of respondent
VIC_Q035: whether the respondent is currently wearing distance viewing glasses that are tinted or that change color when exposed to light
VIR_D050: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D055: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

FDTI_R005	**Now, we will conduct a visual field test which will examine your scope of vision.**

<u>INSTRUCTION</u>: Press <1> to continue.

Programmer:	*Allow 'DK' as a response category.*
FDTI_C010	If FDTI_R005 = DK, go to FDTI_END. Otherwise, go to FDTI_D015.
FDTI_R020	**First, I will need to enter some information into our computer system to prepare the test. This will only take a few minutes.**

INSTRUCTION: Press <1> to print the label with the respondent's date of birth.

- Use the label to scan the respondent date of birth in the *Humphrey Matrix* software.
- Dispose of label following the appropriate protocol.

Help text: *In the Humphrey Matrix software:*

                                -   From the "View Patient" Screen (F2)

                                - Select "Add Patient".
                                - Enter "New Patient".
                                - Select "Enter New Patient".
                                - Scan the "date of birth" and the "Clinic ID" (Patient ID field).
                                - Select "Add Patient" and "OK" to save.

                                From the "Testing" Screen

                                - Select the screening test "N-30-1-FDT-Screening" from the drop down menu.

Programmer: *The bar code portion of the label should be the CON_DDN variable.*
                                The printed portion of the label should consist of the CON_DDN variable with no spaces.

                                The label should be printed on a DYMO printer.

                                Label type 2

FDTI_N025   INSTRUCTION: Is the respondent wearing glasses?

                                1   Yes
                                2   No
                                (DK, RF not allowed)

FDTI_C030   If FDTI_N025 = 1 and VIC_Q035 = 1, go to FDTI_Q035.
                                Otherwise, go to FDTI_D040.

FDTI_Q035   **In order to complete the test, you will need to remove your eyeglasses, because they are tinted or they change colour when they are exposed to light.**

                                INSTRUCTION: Did the respondent remove their glasses?

                                1   Yes
                                2   No   (Go to FDTI_END)
                                (DK not allowed)
                                RF   (Go to FDTI_END)

FDTI_Q045   **I will be taking the measurement on your ^DT_ FDTI045E. Please hold this response bar with one hand and put your thumb on the button. You will need to click this button whenever you perceive a white flicker, as small or as dim as it may seem. Press the button only once and release it quickly.**

                                Do you have any questions before we begin the test?

INSTRUCTION: - Clean the chin rest with a disinfectant swab.
- Answer any questions as thoroughly as possible.

1   Press <1> to continue.
(DK not allowed)
RF   (Go to FDTI_END)

Programmer: *IF FDTI045E = "left eye" then display the word "left" in the first sentence of the read text in red text font.*

FDTI_R065   **Please place your head on the forehead pad and your chin on the ^ DT_CHINRESTCOLORE chin rest.**

                               - Sit as still as you can with your feet flat on the floor.
                               - Adjust your head position until you are able to see all four triangles and the black square in the center of the screen.
                               - Breathe normally.

                               I am now going to adjust your position so that I can take a precise measurement.

                               INSTRUCTION: - Move the head rest to the **[right/left/right]** side to test the **[right/left/right]** eye.
                               - Adjust the respondent's position so that their eye is lined up within the circle on the screen and chin is correctly placed.
                               - Ensure "**[OD/OS/OD]**" (**[right/left/right]** eye) is selected and start the test.

                               Press <1> to continue.

Programmer: *IF DT_CHINRESTCOLORE = 'white' then display the word "White" in the first sentence of the read text in red text font.*

                               IF DT_FDTI055E = 'left' then display the word "left" in the instruction of the read text in red text font.

                               IF DT_FDTI060E = 'OS' then display the word "OS" in the instruction of the read text in red text font.

FDTI_END

Visual Field (Frequency Doubling Test) Measurement (FDTM)

FDTM_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES: whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: english text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: english text for sex of respondent
CON_SEX: sex of respondent
CON_AGE: age of respondent
VIC_Q035: whether the respondent is currently wearing distant viewing glasses that are tinted or change color when exposed to light
VIR_D050: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D055: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
FDTI_R005: introduction to the FDT measurement
FDTI_Q035: whether the respondent removed their tinted, photochromatic or transition glasses
FDTI_Q045: whether the respondent refused to do the mesurement

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
   Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

FDTM_C005A	If FDTI_R005 = DK, go to FDTM_N210. Otherwise, go to FDTM_C005B.
FDTM_C005B	If FDTI_Q035 = RF or FDTI_Q035 = 2 or FDTI_Q045 = RF, go to FDTM_END. Otherwise, go to FDTM_R010.
FDTM_R010	**We will begin with a practice test.** **- Ensure that you can see all four triangles at the edge of the circle.** **- Focus on the black square.** **- Press the button when you think you see any sort of white flash.** **- You should blink normally during the test.**

INSTRUCTION: Give the respondent the response button.

Press <1> to continue.

Programmer:	*(DK, RF not allowed)*

FDTM_R015

Now that you have practiced, we will start the test. You will see a brief flash just before the test begins. Remember to stay focused on the black square.

INSTRUCTION: Cue respondent to focus on the black square and to blink throughout the test.

Press the "*start test*" button.

Press <1> to continue.

Help text:	*The test can be paused (e.g., need to readjust their pupil) by using the "pause test" button or cancelled (e.g., respondent does not want to continue) by using the "cancel test" button at any time.*
Programmer:	*Allow 'DK' as a response category.*

FDTM_C020A

If VIR_D050 = 2 and FDTM_R015 = DK, go to FDTM_D050.
Otherwise, go to FDTM_C020B.

FDTM_C020B

If VIR_D050 = 1 and FDTM_R015 = DK, go to FDTM_C030A.
Otherwise, go to FDTM_C020C.

FDTM_C020C

If VIR_D050 = 1, go to FDTM_N025.
Otherwise, go to FDTM_N045.

FDTM_N025

INSTRUCTION: Were there two errors or more in the <u>first</u> attempt for the <u>right</u> eye?

1   Yes
2   No
(DK, RF not allowed)

FDTM_C030A

If VIR_D050 = 1 and VIR_D055 = 1, go to FDTM_R035.
Otherwise, go to FDTM_D050.

FDTM_R035

I will now take the measurement on your left eye. Ensure that you can see all four triangles at the edge of the circle, focus on the black square and stay still.

INSTRUCTION: - Move the head rest to the left side to test the left eye.
- Adjust the respondent's position so that their eye is lined up within the circle on the screen and their chin is correctly placed.
- Ensure "OS" (left eye) is selected and start the test.

Press <1> to continue.

Programmer:	*Allow 'DK' as a response category.*

FDTM_C040A

If FDTM_R035 = DK, go to FDTM_D050.
Otherwise, go to FDTM_N045.

FDTM_N045

INSTRUCTION: Were there two errors or more in the <u>first</u> attempt for the <u>left</u> eye?

1   Yes
2   No
(DK, RF not allowed)

FDTM_C060

If DV_RIGHTFDTREDO1 = 2 and DV_LEFTFDTREDO1 = 2, go to FDTM_C175.
Otherwise, go to FDTM_D065.

FDTM_R070

There were some errors with that set of measurements, so we have to do the test again. I will take a second measurement of [your right eye/your left eye/both your eyes, one at a time].

INSTRUCTION: Press <1> to continue.

Programmer: *Allow "DK" as a response category.*

FDTM_C075A

If FDTM_R070 = DK, go to FDTM_C175.
Otherwise, go to FDTM_C075B.

FDTM_C075B

If VIR_D050 = 1 and DV_RIGHTFDTREDO1 = 1, go to FDTM_R080.
Otherwise, go to FDTM_C095.

FDTM_R080

(I will now take the measurement of your right eye). Ensure that you can see all four triangles at the edge of the circle, focus on the black square and hold still.

INSTRUCTION: - Move the head rest to the right side to test the right eye.
- Adjust the respondent's position so that their eye is lined up within the circle on the screen and their chin is correctly placed.
- Ensure "OD" (right eye) is selected and start the test.

Press <1> to continue.

Programmer: *Allow "DK" as a response category.*

FDTM_C085

If FDTM_R080 = DK, go to FDTM_C095.
Otherwise, go to FDTM_N090.

FDTM_N090

INSTRUCTION: Were there two errors or more in the <u>second</u> attempt for the <u>right</u> eye?

1   Yes
2   No
(DK, RF not allowed)

FDTM_C095

If VIR_D055 = 1 and DV_LEFTFDTREDO1 = 1, go to FDTM_R100.
Otherwise, go to FDTM_D115A.

FDTM_R100

(I will now take the measurement of your left eye). Ensure that you can see all four triangles at the edge of the circle, focus on the black square and hold still.

	INSTRUCTION: - Move the head rest to the left side to test the left eye. - Adjust the respondent's position so that their eye is lined up within the circle on the screen and their chin is correctly placed. - Ensure "OS" (left eye) is selected and start the test. Press <1> to continue.
Programmer:	*Allow "DK" as a response category.*
FDTM_C105	If FDTM_R100 = DK, go to FDTM_D115A. Otherwise, go to FDTM_N110.
FDTM_N110	INSTRUCTION: Were there two errors or more in the second attempt for the left eye? 1 Yes 2 No (DK, RF not allowed)
FDTM_C120	If DV_RIGHTFDTREDO2 = 2 and DV_LEFTFDTREDO2 = 2, go to FDTM_C175. Otherwise, go to FDTM_D125.
FDTM_R130	**There were too many errors with that set of measurements, so we have to do the test again. I will take a last measurement of [your right eye/your left eye/both your eyes, one at a time].** INSTRUCTION: Press <1> to continue.
Programmer:	*Allow "DK" as a response category.*
FDTM_C135A	If FDTM_R130 = DK, go to FDTM_C175. Otherwise, go to FDTM_C135B.
FDTM_C135B	If VIR_D050 = 1 and DV_RIGHTFDTREDO2 = 1, go to FDTM_R140. Otherwise, go to FDTM_C155.
FDTM_R140	**(I will now take the last measurement of your right eye). Ensure that you can see all four triangles at the edge of the circle, focus on the black square and hold still.** INSTRUCTION: - Move the head rest to the right side to test the right eye. - Adjust the respondent's position so that their eye is lined up within the circle on the screen and their chin is correctly placed. - Ensure "OD" (right eye) is selected and start the test. Press <1> to continue.
Programmer:	*Allow "DK" as a response category.*
FDTM_C145	If FDTM_R140 = DK, go to FDTM_C155. Otherwise, go to FDTM_N150.
FDTM_N150	INSTRUCTION: Were there two errors or more in the third attempt for the right eye?

1   Yes
2   No
(DK, RF not allowed)

FDTM_C155   If VIR_D055 = 1 and DV_LEFTFDTREDO2 = 1, go to FDTM_R160.
Otherwise, go to FDTM_C175.

FDTM_R160   **(I will now take the last measurement of your left eye). Ensure that you can see all four triangles at the edge of the circle, focus on the black square and hold still.**

INSTRUCTION: - Move the head rest to the left side to test the left eye.
- Adjust the respondent's position so that their eye is lined up within the circle on the screen and their chin is correctly placed.
- Ensure "OS" (left eye) is selected and start the test.

Press <1> to continue.

Programmer: *Allow "DK" as a response category.*

FDTM_C165   If FDTM_R160 = DK, go to FDTM_C175.
Otherwise, go to FDTM_N170.

FDTM_N170   INSTRUCTION: Were there two errors or more in the <u>third</u> attempt for the <u>left</u> eye?

1   Yes
2   No
(DK, RF not allowed)

FDTM_C175   If VIR_D050 = 1, go to FDTM_N180.
Otherwise, go to FDTM_C185.

FDTM_N180   INSTRUCTION: Record how many tests were saved for the <u>right</u> eye.

|_|
(MIN: 0)
(MAX: 3)

(DK, RF not allowed)

FDTM_C185   If VIR_D055 = 1, go to FDTM_N190.
Otherwise, go to FDTM_C195.

FDTM_N190   INSTRUCTION: Record how many tests were saved for the <u>left</u> eye.

|_|
(MIN: 0)
(MAX: 3)

(DK, RF not allowed)

FDTM_C195   If (FDTM_N180 = 0 or EMPTY) and (FDTM_N190 = 0 or EMPTY), go to FDTM_C205A.
Otherwise, go to FDTM_N200.

FDTM_N200

INSTRUCTION: Ensure the test results have been saved in the FDTM software and the respondent's .xml file has been transferred from the software to the clinic server on the F:// drive.

Press <1> to continue.

(DK, RF not allowed)

Help text:

In the Humphrey Matrix Software

- "Recall" Patient (F3).
- Search with Clinic ID.
- Select all patient files.
- Click "Save As".
- Change file name to respondent Clinic ID.

FDTM_C205A

If (VIR_D050 = 1 and FDTM_N180=0) or (VIR_D055 = 1 and FDTM_N190 = 0), go to FDTM_N210.
Otherwise, go to FDTM_C205B.

FDTM_C205B

If ((VIR_D050 = 1 and VIR_D055 = 1) and (FDTM_N025=2 or FDTM_N090=2 or FDTM_N150=2) and (FDTM_N045=2 or FDTM_N110=2 or FDTM_N170=2)) or ((VIR_D050 = 1 and VIR_D055 = 2) and (FDTM_N025=2 or FDTM_N090=2 or FDTM_N150=2)) or ((VIR_D050 = 2 and VIR_D055 = 1) and (FDTM_N045=2 or FDTM_N110=2 or FDTM_N170=2)), go to FDTM_END.
Otherwise, go to FDTM_N210.

FDTM_N210

INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to FDTM_S210)
(DK, RF not allowed)

Go to FDTM_END

FDTM_S210

(Why was the component not fully completed?)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

FDTM_END

Retinal Photography Measurement (RTP)

RTP_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: English text for sex of respondent
CON_AGE: age of respondent
RPD_D010: Determination of the type of compensation lens to be used during the retinal photography measurement of the right eye. If RPD_D005 ≥ 15, then RPD_D010 =1(Positive compensation lens for the right eye). Elseif RPD_D005 ≤ - 12, then RPD_D010 = 2 (Negative compensation lens for the right eye). Otherwise, RPD_D010 = 3 (No compensation lens needed for the right eye).
RPD_D020: Determination of the type of compensation lens to be used during the retinal photography measurement of the left eye. If RPD_D015 ≥ 15, then RPD_D020 = 1(Positive compensation lens for the left eye). Elseif RPD_D015 ≤ - 12, then RPD_D020 = 2 (Negative compensation lens for the left eye), Otherwise, RPD_D020 = 3 (No compensation lens needed for the left eye).
VIR_D060: whether the right eye should be tested based on the vision component restriction questions (1 = Yes, 2 = No)
VIR_D065: whether the left eye should be tested based on the vision component restriction questions (1 = Yes, 2 = No)
DVC_Q015: whether the respondent wears distance viewing glasses or contacts (1 = Yes, 2 = No)
DVC_N020: whether the respondent is currently wearing non-distance viewing glasses (1 = Yes, 2 = No)
DVC_Q025: whether the respondent is wearing non-distance viewing contacts (1 = Yes, 2 = No)
DVC_Q030: whether the respondent removed their non-distance viewing contacts (1 = Yes, 2 = No)
VIC_N005: whether the respondent is currently wearing glasses (1 = Yes, 2 = No)
VIC_Q015: whether the respondent is wearing contacts (1 = Yes, 2 = No)
VIC_Q025: whether the respondent brought distance viewing glasses with him/her (1 = Yes, 2 = No)
VIC_Q030: whether the respondent removed his/her distance viewing contacts (1 = Yes, 2 = No)
VAM_Q015: whether the respondent is wearing distance viewing glasses or contacts during visual acuity (1 = Yes, 2 = No)

PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
1 = male, non-proxy

2 = female, non-proxy
3 = male, proxy
4 = female, proxy

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

RTP_R005

For this next test, I will take a picture of the interior surface of your [eyes/right eye/left eye].

INSTRUCTION: Press <1> to continue.

Programmer:

Allow 'DK' as a response category.

RTP_C010

If RTP_R005 = DK, go to RTP_N060.
Otherwise, go to RTP_D010.

RTP_R015

First, I need to enter some information into our computer system in order to prepare the test. This will only take a few minutes.

INSTRUCTION: - Open the Navis-Ex software shortcut on the desktop.
- Follow the instructions on importing the respondent information.

Press <1> to continue.

Help text:

In the Navis-Ex Software:

- Click on the "File" tab in the upper right corner of the screen
- Select "Patient Import" (shift + ctrl + i)
- Select the file location:
* C:\ProgramData\StatisticsCanada\Retinal*
- Click "okay"
- Ensure that the respondent's Clinic ID appears on the "Patient ID" list

RTP_C020

If (DVC_Q025 = 1 and DVC_Q030 = 2) or (VIC_Q015 = 1 and VIC_Q025 = 2) or (VIC_Q015 =1 and VIC_Q025 = 1) or DVC_N020 = 1 or VIC_N005 = 1 or VAM_Q015 = 1, go to RTP_D025.
Otherwise, go to RTP_D030.

RTP_Q025

(In order to take a clear picture, you will need to remove your [contacts/glasses]. You will be able to put your [contacts/glasses] back on once we have completed this measurement.)

INSTRUCTION: Provide the respondent with a contact case and solution to remove their contacts, if necessary.

Did the respondent remove their **[contacts/glasses]**?

1   Yes
2   No
3   The **[contacts/glasses]**
were already removed
(DK, RF not allowed)

RTP_C030	If RTP_Q025 = 2, go to RTP_N060. Otherwise, go to RTP_D030.
RTP_Q030	**During this test, you need to sit up straight, with your feet flat on the floor. I may need to adjust you so that we can take a proper measurement.** **1.** **Please place your head and chin on the rests and remain as still as you can.** **2.** **Focus on the green dot inside the camera.** **3.** **You should expect a flash of bright light and the photo will be taken automatically.** **I will take four to six photographs of your [eyes/right eye/left eye].** **Do you have any questions before we begin?** INSTRUCTION: - Answer any questions as thoroughly as possible. - Ensure the device is in the correct position (check right or left indicator on screen). - Take four photographs of **[both eyes/the right eye/the left eye]**. 1 Press <1> to continue. (DK not allowed) RF (Go to RTP_END)
Help text:	*Using the Nidek AFC-330 device:* *Open respondents case* *- Click on the clipboard icon.* *- Click on the "Patient ID" tab.* *- Scan the respondent's bracelet (Clinic ID).* *- Click on "OK".* *- Verify the respondents information.* *- If necessary, pull the compensation lens tab towards the + or - symbol.* *Capturing the image* *- Click on the camera icon in the bottom right corner.* *- Take the first photograph.* *- Save the image by clicking on the icon with the green circle and envelope.* *- Click the camera icon on the left side of the screen to capture another image.* *- Repeat the test until four clear images (up to a maximum of six trials) have been taken.*
Programmer:	*Use red font for: "[eyes/right eye/left eye]" and "[both eyes/the right eye/the left eye]".*
RTP_N045	INSTRUCTION: Ensure the test results have been saved in the Navis-Ex software and the respondent's files transferred from the software to the clinic server R: drive.

1   Press <1> to continue.
(DK, RF not allowed)

Help text: *In the Navis-Ex Software:*

- Double click on the respondent's name or respondent ID.
- Verify that the appropriate number of images has been saved.
- Click on the "File" tab in the upper left corner of the screen.
- Select "Patient Export" (shift + ctrl + e).
- Save files to the Retinal (R:) drive.
-Cllick "OK".
- Click on "Back".
- Click on "Close".
- Click "OK" to exit the Navis-Ex software

RTP_C050   If VIR_D060 = 1, go to RTP_N050.
Otherwise, go to RTP_C055.

RTP_N050   INSTRUCTION: Record the number of images saved for the right eye.

|_|
(MIN: 0)
(MAX: 6)

(DK, RF not allowed)

RTP_C055   If VIR_D065 = 1, go to RTP_N055.
Otherwise, go to RTP_C060.

RTP_N055   INSTRUCTION: Record the number of images saved for the left eye.

|_|
(MIN: 0)
(MAX: 6)

(DK, RF not allowed)

RTP_C060   If (RTP_N050 = RESPONSE and < 4) or (RTP_N055 = RESPONSE and < 4),
go to RTP_N060.
Otherwise, go to RTP_END.

RTP_N060   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to RTP_S060)
(DK, RF not allowed)

RTP_S060   (Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

RTP_END

Retinal Photography - Derived Variables (RPD)

RPD_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
CON_SEX: English text for sex of respondent
CON_AGE: age of respondent
VPV_D005: The sphere value for the right eyeglasses or contact prescription is captured from the respondent's prescription or is self-reported if a prescription is unavailable during the household interview and clinic visit.
VPV_D010: The cylinder for the right eyeglasses or contact prescription is captured from the respondent's prescription during the household interview or clinic visit.
VPV_D020: The sphere for the left eyeglasses or contact prescription is captured from the respondent's prescription or is self-reported if a prescription is unavailable during the household interview and clinic visit.
VPV_D025: The cylinder for the left eyeglasses or contact prescription is captured from the respondent's prescription unavailable during the household interview or clinic visit.

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

RPD_END

Intraocular Pressure Introduction (IOPI)

IOPI_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES: Whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_SEX: sex of respondent
CON_AGE: age of respondent
DVC_Q025: whether or not the respondent is wearing non-distance viewing contact lenses
DVC_Q030: whether the respondent removed their non-distance viewing contacts
DVC_D030: time at which respondent took out their non-distance viewing contact lenses
VIC_Q015: whether the respondent is currently wearing contact lenses for distance viewing
VIC_Q030: whether the respondent removed their contact lenses
VIC_D030: time at which respondent took out contact lenses
VIR_D060: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
VIR_D065: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

IOPI_C005   If DVC_Q030 = 1 or VIC_Q030 = 1, go to IOPI_D005.
Otherwise, go to IOPI_R020.

IOPI_N010   <u>INSTRUCTION</u>: The respondent removed their contacts at [DVC_D030 (in HH:MM:SS format)/VIC_D030 (in HH:MM:SS format)].

1   Continue
2   Skip IOP measurement   (Go to IOPI_END)
(DK, RF not allowed)

IOPI_R020	**This next test measures the fluid pressure inside the eye.**
	INSTRUCTION: Ensure the respondent removes their glasses and unbuttons or removes any tight collared or buttoned shirt.
	Press <1> to continue.
Programmer:	*Allow 'DK' as a response category.*
IOPI_C025	If IOPI_R020 = DK, go to IOPI_END. Otherwise, go to IOPI_D025.
IOPI_R035	**During this test, there will be three puffs of air administered from this machine to your [left eye/right eye/eyes, one at a time]. I will now do a practice puff of air so you can feel how gentle it is. Please sit up straight, lean against the forehead rest and close both of your eyes.**
	INSTRUCTION: - Slide the forehead rest to the **[left/right/right]**. - Adjust the height of the table or chair so that the canthus marks on the sides of the instrument are level with the respondent's eyes.
	Press <1> to continue.
Programmer:	*Display DT_IOPI30AE and DT_IOPI30BE in red text font if IOPI30A = "left eye" and IOPI30B = "left".*
IOPI_Q040	**During the test, you will need to:**
	- sit as still as possible. **- adjust your head position until you are able to see the green dot in the middle of the four red dots.** **- focus on the green target without squinting your eye.** **- breathe normally.**
	Do you have any questions before we begin the test?
	INSTRUCTION: Answer any questions as thoroughly as possible.
	1 Press <1> to continue. (DK not allowed) RF
IOPI_END	

Intraocular Pressure Measurement (IOPM)

IOPM_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
DV_NONGESTATIONALDIABETES: Whether the respondent has been diagnosed with type 1 or type 2 diabetes (1 = Yes; 2 = No)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_SEX: sex of respondent
CON_AGE: age of respondent
VIR_D060: whether the right eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)

VIR_D065: whether the left eye should be included in the block based on the vision restriction questions (1 = Yes, 2 = No)
IOPI_N010: whether or not the respondent removed their contact lenses (1 = Yes, 2 = No)
IOPI_R020: introduction to IOP measurement
IOPI_R040: if the respondant refuses to complete the IOP component after receiving test procedures

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

IOPM_C005A	If IOPI_N010 = 2 or IOPI_R020 = DK, go to IOPM_N110. Otherwise, go to IOPM_C005B.
IOPM_C005B	If IOPI_R040 = RF, go to IOPM_END. Otherwise, go to IOPM_C005C.
IOPM_C005C	If VIR_D060 = 1, go to IOPM_R010. Otherwise, go to IOPM_C020.
IOPM_R010	**I will now take the measurement of your right eye. I'd like you to blink your eyes a few times and when you are ready, hold both your eyes open. Look at the green light and hold still.**

INSTRUCTION: Perform the measurement on the right eye.

- Verify that the forehead rest is positioned to the right side.
- Ensure that the respondent can see the green dot and the red dots.
- Press the triple puff icon to administer 3 puffs of air.

Press <1> to continue.

IOPM_B015

Call the Intraocular Pressure Capture (IOPD) block.

Programmer:

Pass DT_EYEE = "right" as parameter.

IOPM_C015

If IOPM_B015.IOPD_N005A = RF, go to IOPM_END.
Otherwise, go to IOPM_C020.

IOPM_C020

If VIR_D065 = 1, go to IOPM_D025.
Otherwise, go to IOPM_C040A.

IOPM_R030

[I will now take the measurement on your left eye. I'd like you to blink your eyes a few times and when you are ready, hold both your eyes open. Look at the green light and hold still./I will now move the forehead rest to the other side and take the same measurement on your left eye. Once again, readjust until you are able to see the green dot in the middle of the four red dots.]

INSTRUCTION: Perform the measurement on the left eye.

- Verify that the forehead rest is positioned to the left side.
- Ensure that the respondent can see the green dot and the red dots.
- Press the triple puff icon to administer 3 puffs of air.

Press <1> to continue.

Programmer:

IF IOPM_R010 = EMPTY, then display the word "left" in the first sentence of the read text at DT_IOPM25E in red text font.

IOPM_B035

Call the Intraocular Pressure Capture (IOPD) block.

Programmer:

Pass DT_EYEE = "left" as parameter.

IOPM_C040A

If (IOPM_B015.IOPD_N005A = DK and IOPM_B035.IOPD_N005A = RF) or (VIR_D060 = 2 and IOPM_B035.IOPD_N005A = RF), go to IOPM_END.
Otherwise, go to IOPM_C040B.

IOPM_C040B

If (IOPM_B015.IOPD_N005A = RESPONSE and IOPM_B035.IOPD_N005A = RF), go to IOPM_C100.
Otherwise, go to IOPM_D040.

IOPM_C050

If DV_RIGHTEYEREDO = 2 and DV_LEFTEYEREDO = 2, go to IOPM_C100.
Otherwise, go to IOPM_D050.

IOPM_Q055

There were too many errors with that set of measurements, so we have to do the test again. I will take a second measurement of [your right eye/your left eye/both your eyes, one at a time].

1   Press <1> to continue.
(DK not allowed)
RF   (Go to IOPM_C100)

Programmer: *Display the DT_IOPM50E text in red text font.*

IOPM_C060   If DV_RIGHTEYEREDO = 1, go to IOPM_R065.
                                Otherwise, go to IOPM_C080.

IOPM_R065   **(I will now take the measurement of your right eye). I'd like you to blink your eyes a few times and when you are ready, hold both your eyes open. Look at the green light and hold still.**

                                <u>INSTRUCTION</u>: Capture the results of the second set of measurements on the <u>right</u> eye.

                                - Verify that the forehead rest is positioned to the left side.
                                - Ensure that the respondent can see the green dot and the red dots.
                                - Press the triple puff icon to administer 3 puffs of air.

                                Press <1> to continue.

IOPM_B075   Call the Intraocular Pressure Capture (IOPD) block.

Programmer: *Pass DT_EYEE = "right" as parameter.*

IOPM_C075   If IOPM_B075.IOPD_N005A = RF, go to IOPM_C100.
                                Otherwise, go to IOPM_C080.

IOPM_C080   If DV_LEFTEYEREDO = 1, go to IOPM_D085.
                                Otherwise, go to IOPM_C100.

IOPM_R085   **^DT_IOPM85E**

                                <u>INSTRUCTION</u>: Capture the results of the second set of measurements on the <u>left</u> eye.

                                - Verify that the forehead rest is positioned to the left side.
                                - Ensure that the respondent can see the green dot and the red dots.
                                - Press the triple puff icon to administer 3 puffs of air.

                                Press <1> to continue.

Programmer: *IF IOPM_R065 = EMPTY then display the word "left" in the first sentence of the read text in red text font.*

IOPM_B095   Call the Intraocular Pressure Capture (IOPD) block.

Programmer: *Pass DT_EYEE = "left" as parameter.*

IOPM_C100
If ((VIR_D060 = 1 and VIR_D065 = 1) and (IOPM_B015.IOPD_N005A = DK and IOPM_B035.IOPD_N005A = DK and IOPM_B075.IOPD_N005A = DK and IOPM_B095.IOPD_N005A = RF)) or ((VIR_D060 = 1 and VIR_D065 = 1) and (IOPM_B015.IOPD_N005A = DK and IOPM_B035.IOPD_N005A = DK and IOPM_B075.IOPD_N005A = RF)) or ((VIR_D060 = 1 and VIR_D065 = 2) and (IOPM_B015.IOPD_N005A = DK and IOPM_B075.IOPD_N005A = RF)) or ((VIR_D060 = 2 and VIR_D065 = 1) and (IOPM_B035.IOPD_N005A = DK and IOPM_B095.IOPD_N005A = RF)), go to IOPM_END.
Otherwise, go to IOPM_D100.

IOPM_C110
If (IOPM_B015.IOPD_N005A = DK and IOPM_B075.IOPD_N005A = DK) or (IOPM_B035.IOPD_N005A = DK and IOPM_B095.IOPD_N005A = DK), go to IOPM_N110.
Otherwise, go to IOPM_END.

IOPM_N110
INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to IOPM_S110)
(DK, RF not allowed)

Go to IOPM_END

IOPM_S110
(Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

IOPM_END

Intraocular Pressure Capture (IOPD)

IOPD_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place
	Variables from previously completed blocks: RespondentName: name of respondent CON_SEX: sex of respondent GenderE: English text for sex of respondent CON_AGE: age of respondent DT_EYEE: English text for eye being measured

	Screen display:
	The following header should be displayed for each question:
	  Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE
	  Clinic ID: ^ClinicID Name : ^RespondentName Age: ^CON_AGE Sex: ^GenderE

IOPD_N005A	INSTRUCTION: Record the IOPcc for the ^DT_EYEE eye. (MIN: 7.0) (MAX: 60.0) DK, RF
IOPD_C005	If IOPD_N005A = NONRESPONSE, go to IOPD_END. Otherwise, go to IOPD_N005B.
IOPD_N005B	INSTRUCTION: Re-enter the IOPcc for the ^DT_EYEE eye. (MIN: 7.0) (MAX: 60.0) (DK, RF not allowed)
IOPD_N010A	INSTRUCTION: Record the IOPg for the ^DT_EYEE eye. (MIN: 7.0) (MAX: 60.0) (DK, RF not allowed)
IOPD_N010B	INSTRUCTION: Re-enter the IOPg for the ^DT_EYEE eye.

(MIN: 7.0)
(MAX: 60.0)

(DK, RF not allowed)

IOPD_N015A   <u>INSTRUCTION</u>: Record the <u>score</u> for the ^DT_EYEE eye.

(MIN: 0)
(MAX: 10)

(DK, RF not allowed)

IOPD_N015B   <u>INSTRUCTION</u>: Re-enter the <u>score</u> for the ^DT_EYEE eye.

(MIN: 0)
(MAX: 10)

(DK, RF not allowed)

IOPD_N020   <u>INSTRUCTION</u>: Record whether a low confidence asterisk (*) was
                            displayed next to the measurements of the ^DT_EYEE eye.

1   Yes
2   No
(DK, RF not allowed)

IOPD_N025   <u>INSTRUCTION</u>: Record the number of puffs successfully administered to
                            the ^DT_EYEE eye.

1   1 puff
2   2 puffs
3   3 puffs
(DK, RF not allowed)

Help text: *The number of puffs successfully administered is displayed under the words "right"*
                            and "left" on the machine. For each puff successfully administered, the white dot will
                            become black.

IOPD_END

Hair Sample Measure (HSM)

HSM_BEG

Content block

External fields required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
Date12WeeksAgoE: the date 12 weeks (84 days) ago in English
(TwelveWeeksAgoMonthE + TwelveWeeksAgoDay + "," + TwelveWeeksAgoYear)

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type (3 = clinic visit; 4 = home visit)

Screen display:
The following header should be displayed for each question:
Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

HSM_R005

Metals such as mercury and lead are found in the environment. They may accumulate in hair as it grows, making it possible to measure long term exposure.

In order to measure your exposure to certain metals, I need to take a small hair sample from the back of your head, close to the scalp.

INSTRUCTION: Show the respondent the reference card (picture of hair sample) to demonstrate the quantity of hair required and the location of where the sample will be taken. Also, show the respondent the scissors which will be used to take the sample.

Press <1> to continue.

Programmer:

Allow 'RF' or 'DK' as a response category.

HSM_C005A

If HSM_R005 = RF, go to HSM_N035.
Otherwise, go to HSM_C005B.

HSM_C005B

If HSM_R005 = DK, go to HSM_N030.
Otherwise, go to HSM_D005.

HSM_N005 INSTRUCTION: Press <1> to print 2 labels with the respondent's CLINIC ID.

First label: Stick it to the hair collection sheet.
Second label: Stick it to the plastic bag provided for hair collection.

1 Print the labels
(DK, RF not allowed)

Programmer: *The barcode portion of the label should be the CLINICID.*
The legible portion of the label should be the CLINICID.

Label type 2

HSM_R010 **To ensure that your hair is long and thick enough for me to take a sample, I would like to examine the hair at the back of your head. This will require that I touch your head.**

INSTRUCTION: Put on gloves and examine the respondent's head to see if there is enough hair for a sample.

Press <1> to continue.

Help text: *- Put on gloves prior to touching the respondent's head.*
- With the respondent sitting in the chair use 4 fingers to measure down the head from the crown.
- At this spot assess to see if there is enough hair to take a sample.
- The hair should be at least 2 cm in length and around 100 strands.
- When done remove your gloves.

Programmer: *Allow 'RF' as a response category.*

HSM_C015 If HSM_R010 = RF, go to HSM_N035.
Otherwise, go to HSM_N015.

HSM_N015 INSTRUCTION: Does the respondent have enough hair for you to take a hair sample?

1 Yes
2 No   (Go to HSM_END)
(DK, RF not allowed)

HSM_R020 **I will now take a sample of your hair. Please sit still and try not to move.**

INSTRUCTION: - Ensure the scissors are clean and dry.
- Put on gloves.
- Cut the hair as close to the scalp as possible, ensuring that you do not pull the root of the hair out.
- Secure the hair sample (by the scalp end) to the collection sheet with the stapler provided.
- Fold the hair collection sheet.
- Place the collection sheet in the plastic bag with the label on it.
- Ensure the bag is well sealed.

Press <1> to continue.

HSM_N020 INSTRUCTION: Was a hair sample successfully collected?

1   Yes
2   No   (Go to HSM_N030)
(DK, RF not allowed)

HSM_Q025   **In the past 12 weeks, (that is, from ^DV_Date12WeeksAgoE to today) have you cosmetically treated your hair in any of the following ways?**

INSTRUCTION: Read categories to respondent. Mark all that apply.

1   **Coloured**
2   **Bleached or lightened**
3   **Permanently waved or curled**
4   **Permanently straightened or relaxed**
5   None of the above
(DK, RF not allowed)

HSM_N030   INSTRUCTION: Record the reason why a hair sample was not successfully collected.

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique/Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem/technical difficulty
05   Respondent's mental condition
06   No time
09   Insufficient amount of hair
20   Other - Specify   (Go to HSM_S030)
(DK, RF not allowed)

Go to HSM_END

HSM_S030   (Record the reason why a hair sample was not successfully collected.)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Go to HSM_END

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HSM_N035   INSTRUCTION: Record the reason why the respondent is not willing to provide a hair sample.

Mark all that apply.

1   Invasive
2   Aesthetics (appearance)
3   Cultural/Religious
objections (e.g., turban, hijab)
4   Other - Specify   (Go to HSM_S035)
(DK, RF not allowed)

Go to HSM_END

HSM_S035

(Record the reason why the respondent is not willing to provide a hair sample.)

<u>INSTRUCTION</u>: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

HSM_END

Jumping Mechanography Introduction (JMI)

JMI_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^Gender

JMI_R001

We will now do two tests to measure your lower body strength. There will be a hopping and a jumping test.

INSTRUCTION: Ensure the respondent is prepared for the test:
- Ask the respondent to remove their shoes;
- Ask the respondent to remove any jewelry and/or clothing that may bounce when jumping;
- Ask the respondent to roll loose fitting pants up above the knee.

Press <1> to continue.

Programmer: *Allow 'DK' as a response category.*

JMI_C005

If JMI_R001 = DK, go to JMI_END.
Otherwise, go to JMI_D005.

JMI_END

Hopping Force Measurement (HFM)

HFM_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
JMI_R001: Jumping mechanography introduction

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

HFM_C005   If JMI_R001 = DK, go to HFM_N035.
Otherwise, go to HFM_R005.

HFM_R005   **First, I need to enter some information into the computer system in order to prepare the tests. This will only take a few minutes.**

INSTRUCTION: - Open the Leonardo GRFP Mechanography software shortcut on the desktop.
- Log in and create a respondent profile.

Press <1> to continue.

Help text: *Login name: ADM*
Password: ADM

To create a respondent profile:

- Click on the "New" button at the top right of the screen.
- Select "Edit own patient ID".
- Enter the required information as follows:
     - Patient ID: scan the respondent's bracelet (Clinic ID)
     - First Name: enter a space in the field
     - Last Name: enter a space in the field
     - Date of Birth: scan the DOB barcode or manually enter "1911/11/11"
     - Gender: leave as the default option, "Male"
- Click "Save" on the bottom left corner.

HFM_N010

INSTRUCTION: Initiate the hopping test.
- Select "*multiple Two Leg Hopping*" *(m2LH)* from the drop down menu.
- Click on "*Start selected test*".
- "*Zero adjust*" the plate.

1   Press <1> to continue.
(DK, RF not allowed)

HFM_R015

The first test measures the force you generate when hopping. I will demonstrate the test and then give you an opportunity to practice before we begin.

- Stand on the force plate, facing the front, with one foot on each side.
- You will have to hold perfectly still for a few seconds.
- When I tell you to, start hopping as high as you can, just like skipping with a rope.
- As you hop, you must ensure that your heels stay off the force plate and your legs stay straight.
- You will hop 10 times; I will tell you when to stop.
- When you stop, hold perfectly still until I say you can move.

INSTRUCTION: Demonstrate the test from start to finish, as realistically as possible, emphasizing the key components of the test.

Press <1> to continue.

Programmer:

Allow 'RF' as a response category.

HFM_C015

If HFM_R015 = RF, go to HFM_D040.
Otherwise, go to HFM_Q020.

HFM_Q020

To make sure we get good results, you need to practice before we begin the test.

INSTRUCTION: Complete up to two practice hopping trials. Provide feedback to help correct any errors.

Is the respondent able to try the hopping test?

1   Yes
2   No   (Go to HFM_N035)
(DK not allowed)
RF

HFM_C025

If HFM_Q020 = RF, go to HFM_D040.
Otherwise, go to HFM_R025.

HFM_R025

We will now start the hopping test. We will repeat the test a few times to ensure that we get your best effort. Do you have any questions before we begin?

INSTRUCTION: - Answer any questions as thoroughly as possible.
- Verify that the "*multiple Two Leg Hopping*" *(m2LH)* test was selected.
- Instruct the respondent to get into the starting position.

Common verbal cues:
1. "Stand still."
2. "Start hopping now."
3. "One, two, three, four, five, six, seven, eight, nine, ten."
4. "Stop and stand still."

Press <1> to continue.

Help text:
- Ask the respondent to stand still.
- Click on "Start Measurement now!".
- Wait for the single-tone pitch, indicating the beginning of the test.
- Instruct the respondent to start hopping.
- Count with each hop.
- After 10 hops, instruct the respondent to stand still.
- Wait for the double-tone pitch, indicating the end of the test.
- Click on "Save & Next " button to continue to the next trial.
- Use the "Use for Trend Analysis" drop down menu to indicate if the trial is invalid "Invalid measurement" or valid "Measurement OK".
- Click on "Quit" to continue to the next trial.
- Repeat the test until 3 valid trials have been completed or a maximum of 5 trials have been attempted.

HFM_N030
INSTRUCTION: Record the number of hopping trials.

|_|
(MIN: 0)
(MAX: 5)

(DK, RF not allowed)

HFM_C035
If HFM_N030 < 3, go to HFM_N035.
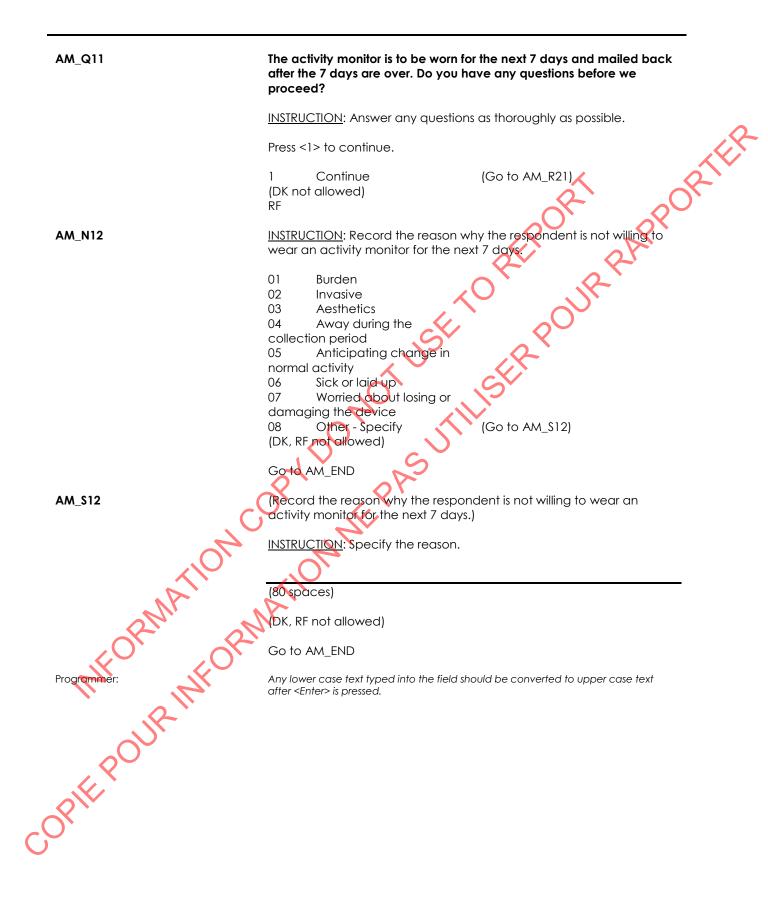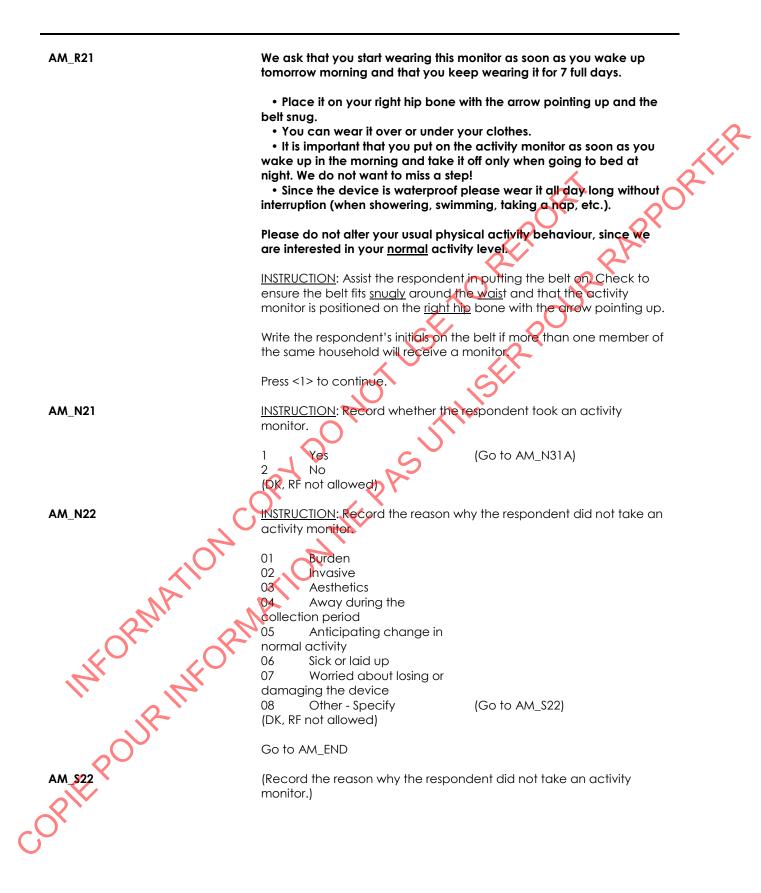Otherwise, go to HFM_D040.

HFM_N035
INSTRUCTION: Why was the hopping force measurement not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to HFM_S035)
(DK, RF not allowed)

Go to HFM_D040

HFM_S035

(Why was the hopping force measurement not fully completed?)

<u>INSTRUCTION</u>: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.
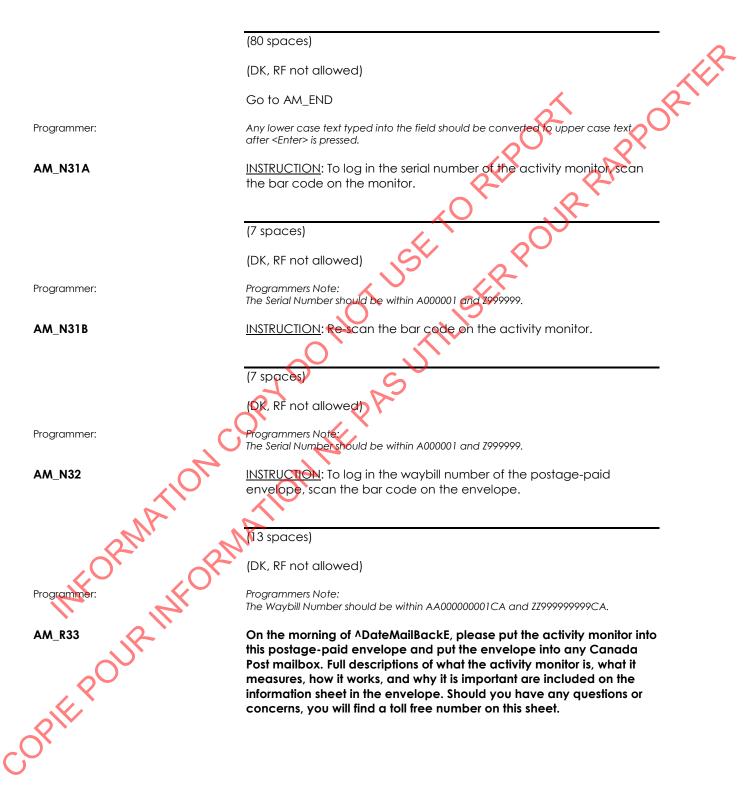
HFM_END

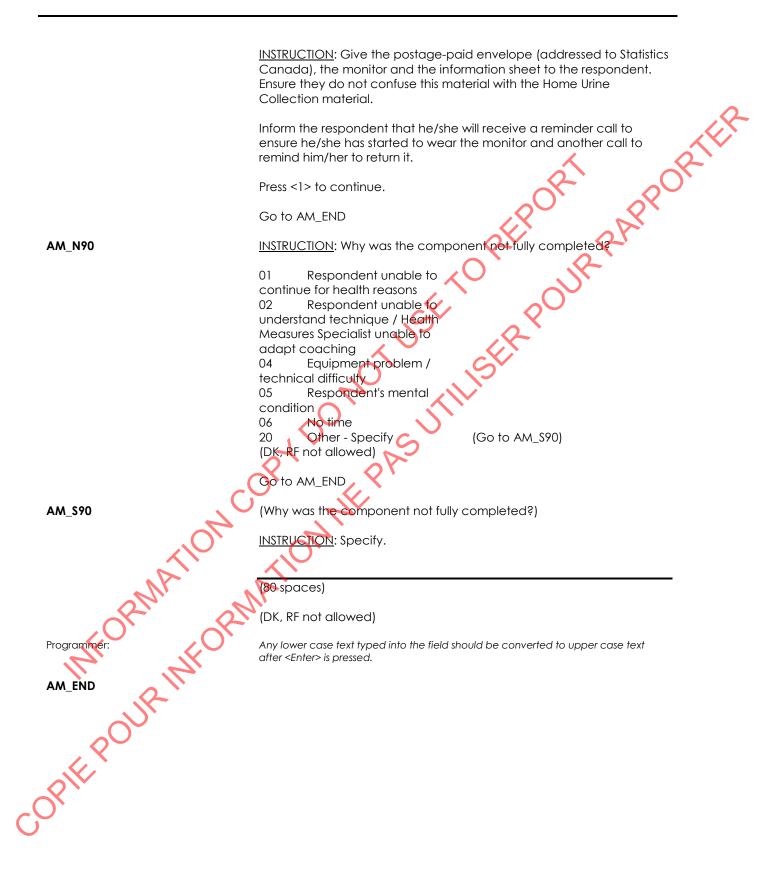## Jumping Force Measurement (JFM)

JFM_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
JMI_R001: Jumping mechanography introduction
HFM_N030: number of hopping trials performed and saved

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

JFM_C005

If JMI_R001 = DK, go to JFM_N030.
Otherwise, go to JFM_N005.

JFM_N005

<u>INSTRUCTION</u>: Initiate the jumping test.
- Select "*single Two Leg Jump*" (*s2LJ*) from the drop down menu.
- Click on "*Start selected test*".
- "*Zero adjust*" the plate.

Press <1> to continue.

(DK, RF not allowed)

JFM_R010

The second test measures the force you generate when jumping. I will demonstrate the test and then give you an opportunity to practice before we begin.

- Stand on the force plate, facing the front, with one foot on each side.
- You will have to hold perfectly still for a few seconds.
- When I tell you to start, bend down and jump as high as you can.
- When you land, hold perfectly still until I say you can move.

INSTRUCTION: Demonstrate the test from start to finish, as realistically as possible, while emphasizing the key components of the test.

Press <1> to continue.

Programmer: *Allow 'RF' as a response category.*

JFM_C015 If JFM_R010 = RF, go to JFM_C035.
Otherwise, go to JFM_Q015.

JFM_Q015 **To make sure we get good results, you need to practice before we begin the test.**

INSTRUCTION: Complete up to two practice jumps. Provide feedback to help correct any errors.

Is the respondent able to try the jumping test?

1	Yes	
2	No	(Go to JFM_N30)

(DK not allowed)
RF

JFM_C020 If JFM_Q015 = RF, go to JFM_C035.
Otherwise, go to JFM_R020.

JFM_R020 **We will now start the jumping test. We will repeat the test a few times to ensure that we get your best effort. Do you have any questions before we begin?**

INSTRUCTION: - Answer any questions as thoroughly as possible.
- Verify that the "*single Two Leg Jump*" *(s2LJ)* test was selected.
- Instruct the respondent to get into the starting position.

Common verbal cues:
1. "Stand still."
2. "Jump now."
3. "Now stand still."

Press <1> to continue.

Help text: *- Instruct the respondent to stand still.*
- Click on "Start selected test".
- Wait for the single-tone pitch, indicating the beginning of the test.
- Instruct the respondent to jump.
- After the jump, instruct the respondent to stand still.
- Wait for the double-tone pitch, indicating the end of the test.
- Click on "Save & Next" button to continue to the next trial.
- Use the "Use for Trend Analysis" drop down menu to indicate if the trial is invalid
"Invalid measurement" or valid "Measurement OK".
- Click on "Quit" to continue to the next trial.
- Repeat the test until 3 valid trials have been completed or a maximum of 5 trials have been attempted.

JFM_N025 INSTRUCTION: Record the number of jumping trials.

|_|
(MIN: 0)
(MAX: 5)

(DK, RF not allowed)

JFM_C030   If JFM_N025 < 3, go to JFM_N030.
Otherwise, go to JFM_N035.

JFM_N030   <u>INSTRUCTION</u>: Why was the jumping force measurement not fully
completed?

01   Respondent unable to
continue for health reasons
02   Respondent unable to
understand technique / Health
Measures Specialist unable to
adapt coaching
03   Respondent refuses to
continue
04   Equipment problem /
technical difficulty
05   Respondent's mental
condition
06   No time
20   Other - Specify   (Go to JFM_S030)
(DK, RF not allowed)

Go to JFM_C035

JFM_S030   (Why was the jumping force measurement not fully completed?)

<u>INSTRUCTION</u>: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text*
after <Enter> is pressed.

JFM_C035   If HFM_N030 = 0 and JFM_N025 = 0, go to JFM_D040.
Otherwise, go to JFM_N035.

JFM_N035   <u>INSTRUCTION</u>: Using the MechanographyDataExport shortcut on the
desktop, export all of the hopping and jumping trials to the clinic
server.

Press <1> to continue.

(DK, RF not allowed)

Help text:
- *Open MechanographyDataExport.*
- *Click on the entry field.*
- *Scan the respondent's Clinic ID barcode or manually enter the Clinic ID number.*
- *Click the "Export" button.*

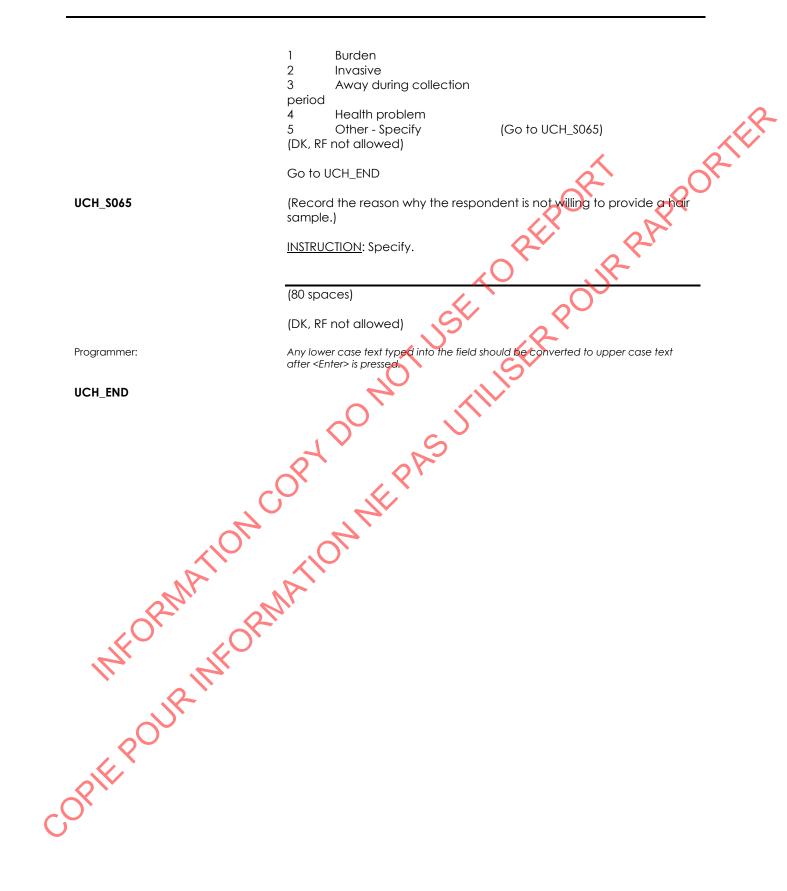**JFM_END**

mCAFT Measurement (AFT)

AFT_BEG   Content block

External fields required:
Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName:name of respondent
CON_SEX: sex of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
DT_ARME: English text for arm chosen for blood pressure measurement, derived at BPM_D101B
BPM_N100: Cuff to be used for blood pressure measurement.
HWM_Q13: Weight measurement in kilograms

Screen Display:
The following header should be displayed for each question:
 Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
 Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

The following information should be displayed below the two-lined header:
Starting stage: ^AFT_D01 [Female/Male]
Ceiling Heart Rate: ^AFT_D02

AFT_R10   **The next test we are going to do is a stepping test to measure your fitness level. The test will require you to step up and down this set of stairs continuously to music for 3 minutes at a time. In total, there are 8, 3-minute stages. You are starting at stage ^AFT_D01. During the test, you will wear a heart rate monitor so that I can watch your heart rate. At the end of each 3 minute stepping stage, you will be asked to stop exercising. You will have to stand still and I will check your heart rate to see if you should do another stage. You will continue going through the stages until your heart rate meets a ceiling value for your age and sex. Your ceiling heart rate is ^AFT_D02. If your heart rate is at or above this number, then I will stop the test. At the end of the test, you will slowly walk around for one and a half minutes. Then, you will sit down and I will take your blood pressure and heart rate twice to make sure that you are recovering well from the test.**

INSTRUCTION: Show the heart rate monitor to the respondent and help him/her put it on.

Press <1> to continue.

Programmer:	*Allow 'DK' as a response category.*

AFT_C10 If AFT_R10 = DK, go to AFT_N81.
Otherwise, go to AFT_D10.

AFT_R11 **During the test, you need to go up and down the stairs following the beat of the music. The stepping pattern goes like this: "step, step, up, step, step, down". When you are stepping, you should never have both feet on the first step at the same time, and you need to make sure that both feet are placed fully on the top step. ^DT_AFT11TEXTE I will play the music and show you how the test is done. Do you have any questions?**

INSTRUCTION: Play the music and demonstrate the stepping pattern.

Press <1> to continue.

AFT_C11E If AFT_D01 > 1, go to AFT_C12E.
Otherwise, go to AFT_N11A.

AFT_N11A INSTRUCTION: Record the heart rate at the end of stage 1.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK   (Go to AFT_N81)
RF   (Go to AFT_END)

AFT_N11B INSTRUCTION: Re-enter the heart rate at the end of stage 1.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C12D If AFT_N11A >= AFT_D02, go to AFT_D21.
Otherwise, go to AFT_C12E.

AFT_C12E If AFT_D01 > 2, go to AFT_C13E.
Otherwise, go to AFT_N12A.

AFT_N12A INSTRUCTION: Record the heart rate at the end of stage 2.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_C13A)

AFT_N12B   INSTRUCTION: Re-enter the heart rate at the end of stage 2.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C13A   If AFT_D01 < 2 and AFT_N12A = NONRESPONSE, go to AFT_D21.
Otherwise, go to AFT_C13B.

AFT_C13B   If AFT_D01 = 2 and AFT_N12A = DK, go to AFT_N81.
Otherwise, go to AFT_C13C.

AFT_C13C   If AFT_D01 = 2 and AFT_N12A = RF, go to AFT_END.
Otherwise, go to AFT_C13D.

AFT_C13D   If AFT_N12A >= AFT_D02, go to AFT_D21.
Otherwise, go to AFT_C13E.

AFT_C13E   If AFT_D01 > 3, go to AFT_C14E.
Otherwise, go to AFT_N13A.

AFT_N13A   INSTRUCTION: Record the heart rate at the end of stage 3.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_C14A)

AFT_N13B   INSTRUCTION: Re-enter the heart rate at the end of stage 3.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C14A   If AFT_D01 < 3 and AFT_N13A = NONRESPONSE, go to AFT_D21.
Otherwise, go to AFT_C14B.

AFT_C14B   If AFT_D01 = 3 and AFT_N13A = DK, go to AFT_N81.
Otherwise, go to AFT_C14C.

AFT_C14C   If AFT_D01 = 3 and AFT_N13A = RF, go to AFT_END.
Otherwise, go to AFT_C14D.

AFT_C14D   If AFT_N13A >= AFT_D02, go to AFT_D21.
Otherwise, go to AFT_C14E.

AFT_C14E   If AFT_D01 > 4, go to AFT_N15A.
Otherwise, go to AFT_N14A.

AFT_N14A   INSTRUCTION: Record the heart rate at the end of stage 4.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_C15A)

AFT_N14B   <u>INSTRUCTION</u>: Re-enter the heart rate at the end of stage 4.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C15A   If AFT_D01 < 4 and AFT_N14A = NONRESPONSE, go to AFT_D21.
                               Otherwise, go to AFT_C15B.

AFT_C15B   If AFT_D01 = 4 and AFT_N14A = DK, go to AFT_N81.
                               Otherwise, go to AFT_C15C.

AFT_C15C   If AFT_D01 = 4 and AFT_N14A = RF, go to AFT_END.
                               Otherwise, go to AFT_C15D.

AFT_C15D   If AFT_N14A >= AFT_D02, go to AFT_D21.
                               Otherwise, go to AFT_N15A.

AFT_N15A   <u>INSTRUCTION</u>: Record the heart rate at the end of stage 5.

|_|_|_| Enregistrez la fréquence cardiaque à la fin du palier 5.
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_C16A)

AFT_N15B   <u>INSTRUCTION</u>: Re-enter the heart rate at the end of stage 5.

|_|_|_|
(MIN: 30)
(MAX: 200)

DK, RF

AFT_C16A   If AFT_D01 < 5 and AFT_N15A = NONRESPONSE, go to AFT_D21.
                               Otherwise, go to AFT_C16B.

AFT_C16B   If AFT_D01 = 5 and AFT_N15A = DK, go to AFT_N81.
                               Otherwise, go to AFT_C16C.

AFT_C16C   If AFT_D01 = 5 and AFT_N15A = RF, go to AFT_END.
                               Otherwise, go to AFT_C16D.

AFT_C16D   If AFT_N15A >= AFT_D02, go to AFT_D21.
                               Otherwise, go to AFT_N16A.

AFT_N16A   <u>INSTRUCTION</u>: Record the heart rate at the end of stage 6.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_D21)

AFT_N16B   INSTRUCTION: Re-enter the heart rate at the end of stage 6.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C17D   If AFT_N16A >= AFT_D02, go to AFT_D21.
Otherwise, go to AFT_N17A.

AFT_N17A   INSTRUCTION: Record the heart rate at the end of stage 7.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_D21)

AFT_N17B   INSTRUCTION: Re-enter the heart rate at the end of stage 7.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF

AFT_C18D   If CON_AGE < 15 or AFT_N17A >= AFT_D02, go to AFT_D21.
Otherwise, go to AFT_N18A.

AFT_N18A   INSTRUCTION: Record the heart rate at the end of stage 8.

|_|_|_|
(MIN: 30)
(MAX: 220)

DK, RF   (Go to AFT_D21)

AFT_N18B   INSTRUCTION: Re-enter the heart rate at the end of stage 8.

|_|_|_| Heart rate (in beats per minute)
(MIN: 30)
(MAX: 220)

DK, RF

AFT_R23   **The test is finished. I would like you to slowly walk around for one and a half minutes. I will then have you sit down so that I can take your blood pressure and heart rate again.**

INSTRUCTION: Start the stopwatch. At <u>1 min 30 sec</u>, ask the respondent to sit down.

Press <1> to continue.

AFT_N24   INSTRUCTION: Record how the data will be captured.

1   Electronically (BpTRU)
3   BpTRU data entered   (Go to AFT_B31)
manually
(DK, RF not allowed)

Programmer: *IF AFT_N24 = 1, Set value of ResetCounter to 1 in the Blaise registry under*
                     "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\"

AFT_R30   **Now, I will take the first of two post exercise blood pressure and heart rate measurements, using this automated blood pressure cuff. During this test, you will need to sit with your feet flat on the floor, your back against the back rest of the chair, and your ^DT_ARME arm on the table. You should not move or talk during the measurement.**

INSTRUCTION: - Select the ^DT_AFT30TEXTE cuff size.
- Secure the cuff on the respondent's ^DT_ARME arm.
- Ensure respondent is in the correct position (palm down, feet flat, arm and back rested, relaxed).
- Ensure the BpTRU is communicating with Health Listener.
- Set the BpTRU to collect a single measure (set cycle to SP).
- Press <Start> on the BpTRU 2 minutes after the respondent has completed the mCAFT.
- Turn the BpTRU away from the respondent.

Press <1> to continue.

Programmer: *Allow 'RF' as a response category.*

                     If DT_ARME = ''left'' display ^DT_ARME in red font.

                     Display DT_AFT30TEXTE in red font.

AFT_C30   If AFT_R30 = RF, go to AFT_D71.
                     Otherwise, go to AFT_E30.

AFT_N31A   INSTRUCTION: Press <1> to save the measurements in Blaise.

1   Save the measurements
(DK, RF not allowed)

Programmer: *Data from the BpTRU will be available as a string value saved in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\". A single string value will be saved, containing 13 bytes of data. The data should be copied to specific capture fields as follows:*

IF Substring(EDATA1, 1, 1) = E THEN
    SAVE DK code "999" in AFT_B31.BPR_N1A
    SAVE Substring(EDATA1, 2, 3) in AFT_B31.DT_BPR_N4
ELSE
    SAVE Substring(EDATA1, 5, 3) in AFT_B31.BPR_N1A
    SAVE Substring(EDATA1, 8, 3) in AFT_B31.BPR_N2A
    SAVE Substring(EDATA1, 11, 3) in AFT_B31.BPR_N3A
ENDIF

Set value of ResetCounter to 2 in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\"

Lock the fields containing the data from the BPTru and delete the data transfer file.

AFT_N31B   <u>INSTRUCTION</u>: Check the data returned from the BpTRU.

Press <1> to continue.

(DK, RF not allowed)
Go to AFT_C40A

Programmer: *Data should be displayed on the screen in a four-column, one- line table of values:*

SYSTOLIC BLOOD PRESSURE
1   AFT_B31.BPR_N1A

DIASTOLIC BLOOD PRESSURE
1   AFT_B31.BPR_N2A

HEART RATE
1   AFT_B31.BPR_N3A

ERROR CODE
1   AFT_B31.BPR_N4

Display error codes (4th column in the table above) in red text.

AFT_B31   Call the Blood Pressure Recording block.

AFT_C32   If AFT_B31.BPR_N1A = RF, go to AFT_D71.
Otherwise, go to AFT_C40A.

AFT_C40A   If AFT_N24 = 3, go to AFT_B41.
Otherwise, go to AFT_N40A.

AFT_N40A   <u>INSTRUCTION</u>: Press <1> to reset the Health Listener registry and continue.

Press <1> to continue.

(DK, RF not allowed)

AFT_R40   **I will now take a second blood pressure and heart rate measurement.**

INSTRUCTION: Select the ^DT_AFT30TEXTE cuff size. Secure it on the ^DT_ARME arm and ensure the respondent is seated in the correct position.

Set the BpTRU to collect a single measure (set cycle to SP).

Press <Start> on the BpTRU <u>3 min 30 sec</u> after the respondent has completed the mCAFT.

Press <1> to continue.

Programmer: *Allow 'RF' as a response category.*

AFT_C40B If AFT_R40 = RF, go to AFT_D71.
Otherwise, go to AFT_N40B.

AFT_N40B INSTRUCTION: Press <1> to save the measurements in Blaise.

1 Save the measurements
(DK, RF not allowed)

Programmer: *Data from the BpTRU will be available as a string value saved in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\". A single string value will be saved, containing 13 bytes of data. The data should be copied to specific capture fields as follows:*

IF Substring(EDATA1, 1, 1) = E THEN
    SAVE DK code "999" in AFT_B41.BPR_N1A
    SAVE Substring(EDATA1, 2, 3) in AFT_B41.DT_BPR_N4
ELSE
    SAVE Substring(EDATA1, 5, 3) in AFT_B41.BPR_N1A
    SAVE Substring(EDATA1, 8, 3) in AFT_B41.BPR_N2A
    SAVE Substring(EDATA1, 11, 3) in AFT_B41.BPR_N3A
ENDIF

Set value of ResetCounter to 2 in the Blaise registry under "HKEY_CURRENT_USER\Software\VB and VBA Program Settings\Environment\BPTru\"

Lock the fields containing the data from the BpTRU, delete the data transfer file.

AFT_N40C INSTRUCTION: Check the data returned from the BpTRU.

Press <1> to continue.

(DK, RF not allowed)
Go to AFT_D71

Programmer: *Data should be displayed on the screen in a four-column, one- line table of values:*

SYSTOLIC BLOOD PRESSURE
1   AFT_B41.BPR_N1A

DIASTOLIC BLOOD PRESSURE
1   AFT_B41.BPR_N2A

HEART RATE
1   AFT_B41.BPR_N3A

ERROR CODE
1   AFT_B41.BPR_N4

Display error codes (4th column in the table above) in red text.

AFT_B41   Call the Blood Pressure Recording block.

AFT_C80   If DV_AFT_D80 = 1, go to AFT_N81.
Otherwise, go to AFT_END.

AFT_N81   <u>INSTRUCTION</u>: Record the reason why the respondent did not
complete the test.

01   Respondent unable to
continue for health reasons
02   Respondent unable to
understand or maintain
technique / Health Measures
Specialist unable to adapt
coaching
03   Respondent refuses to
continue
04   Equipment problem /
technical difficulty
05   Respondent's mental
condition
06   No time
20   Other - Specify   (Go to AFT_S81)
(DK, RF not allowed)

AFT_S81   (Record the reason why the respondent did not complete the test.)

<u>INSTRUCTION</u>: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text*
after <Enter> is pressed.

AFT_END

Sit and Reach Component Introduction (SRI)

SRI_BEG	Content block

External fields required:
Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables output from Clinic Interface:
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

SRI_R01

The next test we're going to do is called a sit-and-reach test, which will measure your back and hamstring flexibility. Before we start the test, I'll ask you to remove your shoes and we will do some stretches to loosen your leg muscles.

- Sit on the floor with one leg out straight and the bottom of your other foot tucked into the straight leg.
- Reach forward towards the toe of your straight leg only until you feel a slight stretch in the back of your leg.
- You should not feel pain and you must not bounce.
- Hold the stretch for 20 seconds and then switch to the other leg.
- Perform the stretch twice on each leg, alternating each time.

INSTRUCTION: Have the respondent sit on the mat in the modified hurdle stretch position. Do the stretch twice on each leg, holding the stretch for 20 seconds each time. Perform the stretches alongside the respondent.

Press <1> to continue.

Programmer: *Allow 'DK' as a response category.*

SRI_C01

If SRI_R01 = DK, go to SRI_END.
Otherwise, go to SRI_D01.

SRI_R02	**I will demonstrate how the test is done.**
	- Sit with your legs straight out in front of you, your feet flat against the board, one foot on each side of the wooden block. Keep your legs straight. **- Put your arms straight out in front of you with your hands on top of one another, and your middle fingers aligned.** **- Reach forward slowly pushing the sliding marker along the scale with your fingertips as far as possible. Do not bounce.** **- Lower your head between your arms and breathe out while reaching forwards to help you reach farther.** **- When you have reached as far as you can, you must hold that position for 2 seconds. I will count this aloud for you and tell you when to sit up again.**
	INSTRUCTION: Demonstrate the movement while explaining the main points of the test.
	Press <1> to continue.
SRI_R03	**Do you have any questions before we begin?**
	INSTRUCTION: Answer any questions as thoroughly as possible.
	Press <1> to continue.
SRI_END	

Sit and Reach Measurement (SRM)

SRM_BEG	Content block

External fields required:
Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables output from Clinic Interface:
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent

Screen Display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE   Sex: ^GenderE

SRM_C01	If SRI_R01 = DK, go to SRM_N03. Otherwise, go to SRM_N01A.

SRM_N01A	INSTRUCTION: Record the <u>first</u> sit and reach attempt in centimeters.

(MIN: 0)
(MAX: 75)

DK   (Go to SRM_N03)
RF   (Go to SRM_END)

SRM_N01B	INSTRUCTION: Re-enter the <u>first</u> sit and reach attempt in centimeters.

(MIN: 0)
(MAX: 75)

(DK, RF not allowed)

SRM_N02A	INSTRUCTION: Record the <u>second</u> sit and reach attempt in centimeters.

(MIN: 0)
(MAX: 75)

DK, RF   (Go to SRM_D11)

SRM_N02B	INSTRUCTION: Re-enter the <u>second</u> sit and reach attempt in centimeters.

(MIN: 0)
(MAX: 75)

(DK, RF not allowed)

Go to SRM_D11

SRM_N03   INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to
continue for health reasons
02   Respondent unable to
understand technique / Health
Measures Specialist unable to
adapt coaching
03   Respondent refuses to
continue
04   Equipment problem /
technical difficulty
05   Respondent's mental
condition
06   No time
20   Other - Specify   (Go to SRM_S03)
(DK, RF not allowed)

Go to SRM_D11

SRM_S03   (Why was the component not fully completed?)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

SRM_END

Grip Strength Component Introduction (GSI)

GSI_BEG Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type

Screen Display:
The following header should be displayed for each question:
 Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
 Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE Sex: ^Gender

GSI_R1 **Next I am going to measure your upper body strength with a hand grip dynamometer. You will perform this test twice on each hand, alternating each time. When performing the test, hold your hand away from your body and squeeze the handle as hard as you can, blowing out while you squeeze.**

INSTRUCTION: Demonstrate the procedure while explaining the technique.
Press <1> to continue.

Programmer: *Allow 'DK' as a response category.*

GSI_C1 If GSI_R1 = DK, go to GSI_END.
Otherwise, go to GSI_D1.

GSI_R2 **Hold the handle so that the 2nd joint of your fingers fits comfortably under the handle; we can adjust the size if necessary. Remember, hold your arm straight and away from your body and squeeze the handle as hard as you can, blowing out while you squeeze.**

INSTRUCTION: Ensure respondent has removed all rings or hand jewellery.

Press <1> to continue.

GSI_END

Grip Strength Measurement (GSM)

GSM_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place
	Variables from previously completed blocks: RespondentName: name of respondent GenderE: English text for sex of respondent CON_AGE: age of respondent GSI_R1: grip strength introduction

	Screen Display:
	The following header should be displayed for each question:
	  Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE
	  Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE

GSM_C10	If GSI_R1 = DK, go to GSM_N60. Otherwise, go to GSM_N11A.
GSM_N11A	INSTRUCTION: Record the <u>first</u> grip strength measurement for the <u>right</u> hand to the nearest kilogram (kg). |_|_|_| Right hand grip strength (in kg) (MIN: 1) (MAX: 100) DK, RF
GSM_N11B	INSTRUCTION: Re-enter the <u>first</u> grip strength measurement for the <u>right</u> hand to the nearest kilogram (kg). |_|_|_| Right hand grip strength (in kg) (MIN: 1) (MAX: 100) DK, RF
GSM_C11B	If GSM_N11A = RF, go to GSM_END. Otherwise, go to GSM_N12A.
GSM_N12A	INSTRUCTION: Record the <u>first</u> grip strength measurement for the <u>left</u> hand to the nearest kilogram (kg).

|_|_|_| Left hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_N12B   INSTRUCTION: Re-enter the first grip strength measurement for the left hand to the nearest kilogram (kg).

|_|_|_| Left hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_N21A   INSTRUCTION: Record the second grip strength measurement for the right hand to the nearest kilogram (kg).

|_|_|_| Right hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_N21B   INSTRUCTION: Re-enter the second grip strength measurement for the right hand to the nearest kilogram (kg).

|_|_|_| Right hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_N22A   INSTRUCTION: Record the second grip strength measurement for the left hand to the nearest kilogram (kg).

|_|_|_| Left hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_N22B   INSTRUCTION: Re-enter the second grip strength measurement for the left hand to the nearest kilogram (kg).

|_|_|_| Left hand grip strength (in kg)
(MIN: 1)
(MAX: 100)

DK, RF

GSM_C59   If (GSM_N11A = NONRESPONSE and GSM_N21A = NONRESPONSE) or (GSM_N12A = NONRESPONSE and GSM_N22A = NONRESPONSE), go to GSM_N60.
Otherwise, go to GSM_END.

GSM_N60

INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
03   Respondent refuses to continue
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to GSM_S60)
(DK, RF not allowed)

Go to GSM_END

GSM_S60

(Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

GSM_END

Activity Monitor (AM)

AM_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
DateMailBackE: English text of date 8 days after the clinic visit

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
IAS_N32: the waybill number of the postage-paid envelope
SCS_N12: Visit type
UCH_N050: waybill number from Home urine

Screen Display:
The following header should be displayed for each question:
Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE Sex: ^GenderE

AM_N11

INSTRUCTION: Record whether an activity monitor is available.

1	Yes	
2	No	(Go to AM_END)
DK		(Go to AM_N90)

(RF not allowed)

AM_R11

It is crucial to obtain information about Canadians' daily activity patterns. As a result, this survey will be measuring your daily activity patterns over a 7 day period. In order to do this, we would like you to wear an activity monitor for the next 7 days.
An activity monitor is a small battery-operated electronic device that is worn on a belt around the waist, on the right hip bone. The monitor records all daily activities as electronic signals. It is pre-programmed to start recording tomorrow morning, there is no activation required and it does not need to be turned on or off.

INSTRUCTION: Hold up the activity monitor (on the belt) for display.

Press <1> to continue.

AM_Q11

The activity monitor is to be worn for the next 7 days and mailed back after the 7 days are over. Do you have any questions before we proceed?

INSTRUCTION: Answer any questions as thoroughly as possible.

Press <1> to continue.

1   Continue   (Go to AM_R21)
(DK not allowed)
RF

AM_N12

INSTRUCTION: Record the reason why the respondent is not willing to wear an activity monitor for the next 7 days.

01   Burden
02   Invasive
03   Aesthetics
04   Away during the collection period
05   Anticipating change in normal activity
06   Sick or laid up
07   Worried about losing or damaging the device
08   Other - Specify   (Go to AM_S12)
(DK, RF not allowed)

Go to AM_END

AM_S12

(Record the reason why the respondent is not willing to wear an activity monitor for the next 7 days.)

INSTRUCTION: Specify the reason.

_____

(80 spaces)

(DK, RF not allowed)

Go to AM_END

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

AM_R21   **We ask that you start wearing this monitor as soon as you wake up tomorrow morning and that you keep wearing it for 7 full days.**

  • Place it on your right hip bone with the arrow pointing up and the belt snug.
  • You can wear it over or under your clothes.
  • It is important that you put on the activity monitor as soon as you wake up in the morning and take it off only when going to bed at night. We do not want to miss a step!
  • Since the device is waterproof please wear it all day long without interruption (when showering, swimming, taking a nap, etc.).

Please do not alter your usual physical activity behaviour, since we are interested in your <u>normal</u> activity level.

<u>INSTRUCTION</u>: Assist the respondent in putting the belt on. Check to ensure the belt fits <u>snugly</u> around the <u>waist</u> and that the activity monitor is positioned on the <u>right hip</u> bone with the arrow pointing up.

Write the respondent's initials on the belt if more than one member of the same household will receive a monitor.

Press <1> to continue.

AM_N21   <u>INSTRUCTION</u>: Record whether the respondent took an activity monitor.

1   Yes   (Go to AM_N31A)
2   No
(DK, RF not allowed)

AM_N22   <u>INSTRUCTION</u>: Record the reason why the respondent did not take an activity monitor.

01   Burden
02   Invasive
03   Aesthetics
04   Away during the collection period
05   Anticipating change in normal activity
06   Sick or laid up
07   Worried about losing or damaging the device
08   Other - Specify   (Go to AM_S22)
(DK, RF not allowed)

Go to AM_END

AM_S22   (Record the reason why the respondent did not take an activity monitor.)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Go to AM_END

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

AM_N31A INSTRUCTION: To log in the serial number of the activity monitor, scan the bar code on the monitor.

(7 spaces)

(DK, RF not allowed)

Programmer: *Programmers Note:*
The Serial Number should be within A000001 and Z999999.

AM_N31B INSTRUCTION: Re-scan the bar code on the activity monitor.

(7 spaces)

(DK, RF not allowed)

Programmer: *Programmers Note:*
The Serial Number should be within A000001 and Z999999.

AM_N32 INSTRUCTION: To log in the waybill number of the postage-paid envelope, scan the bar code on the envelope.

(13 spaces)

(DK, RF not allowed)

Programmer: *Programmers Note:*
The Waybill Number should be within AA000000001CA and ZZ999999999CA.

AM_R33 **On the morning of ^DateMailBackE, please put the activity monitor into this postage-paid envelope and put the envelope into any Canada Post mailbox. Full descriptions of what the activity monitor is, what it measures, how it works, and why it is important are included on the information sheet in the envelope. Should you have any questions or concerns, you will find a toll free number on this sheet.**

INSTRUCTION: Give the postage-paid envelope (addressed to Statistics Canada), the monitor and the information sheet to the respondent. Ensure they do not confuse this material with the Home Urine Collection material.

Inform the respondent that he/she will receive a reminder call to ensure he/she has started to wear the monitor and another call to remind him/her to return it.

Press <1> to continue.

Go to AM_END

AM_N90

INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to AM_S90)
(DK, RF not allowed)

Go to AM_END

AM_S90

(Why was the component not fully completed?)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

AM_END

Urine Collection- Home (UCH)

UCH_BEG	Content block
	External variables required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier REPLICID: 8 digit respondent replicate identifier DRYRUN: If the respondent is selected as a dryrun
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place SessionE: English text of when the clinic visit is taking place DateMailBackE: Date- 8 days after the clinic visit
	Variables from previously completed blocks: RespondentName: name of respondent GenderE: English text for sex of respondent CON_AGE: age of respondent CON_SEX: sex of the respondent AM_N32: the waybill number of the postage-paid envelope SCS_N12: Visit type PHI_D12: Fasting status – confirmed at phlebotomty PHB.ComponentCode: The component outcome code of the Phlebotomy component ATG_D12: Fasting status - confirmed at screening UC1_Q15: Whether the respondent wanted a urine collection hat
	Screen Display: The following header should be displayed for each question: Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE

UCH_N001	INSTRUCTION: Record whether a home urine sample kit is available.

1	Yes	
2	No	(Go to UCH_END)
DK		(Go to UCH_N60)
(RF not allowed)		

UCH_R005	**We would like to better assess your nutritional intake of sodium, potassium and/or iodine. To do this, we would like to collect ^DT_SAMPQTYE urine sample^DT_MULTIPLEE which you will provide at home.**
	INSTRUCTION: Show the home urine collection package for display.
	Press <1> to continue.

UCH_R010	**^DT_SAMPDRYE should be provided ideally within the next 7 days and mailed back to us the same day. Do you have any questions before I read the detailed instructions?**

INSTRUCTION: Answer any questions as thoroughly as possible.

Press <1> to continue.

Programmer:	*Allow RF (Go to UCH_N065)*

UCH_R015	**In ^DT_INSDRYE postage-paid envelope, you will find:** **- A box** **- A labelled urine container** **- An absorbent sheet** **- A plastic bag (including a second absorbent sheet)** **- An instruction sheet**

INSTRUCTION: Ensure respondent has entire contents of the urine sample kit. You can confirm the correct shipping address in the help text.

Press <1> to continue.

Help text:	*HC-Nutrition Research Division* *251 Sir Frederick Banting Driveway* *2203E, Room D240* *Ottawa, Ontario K1A 0L2*

UCH_R020	**^DT_SELFASTE**

^DT_READREPE

INSTRUCTION: ^DT_SHEETE

Ensure respondent has a copy of the instructions after you finish reading them.

^DT_COLLECHATE

Press <1> to continue.

UCH_N025	INSTRUCTION: Record whether the respondent accepted a home urine sample kit.

1   Yes
2   No   (Go to UCH_N060)
(DK, RF not allowed)

UCH_N035	INSTRUCTION: Press <1> to print the label.

Stick the label to the urine container.

1   Print the labels
(DK, RF not allowed)

Programmer: *The barcode portion of the label should be the CLINICID + DV_TESTID.*
The numeric portion of the label should be the CLINICID + DV_TESTID.

Label type 9

IF DRYRUN in (1,2), print a second label
The barcode portion of the label should be the RESPID + DV_TESTID.
The numeric portion of the label should be the RESPID + DV_TESTID.

Label type 9

UCH_N040   INSTRUCTION: Please scan the urine container.

|_|_|_|_|_|_|_|_|_|_|_|
(MIN: 50,000,000,010)
(MAX: 59,999,999,999)

(DK, RF not allowed)

UCH_C045   If DRYRUN in (1,2), go to UCH_N045.
Otherwise, go to UCH_N050.

UCH_N045   INSTRUCTION: Please scan the second urine container.

|_|_|_|_|_|_|_|_|_|_|_|
(MIN: 50,000,000,010)
(MAX: 59,999,999,999)

(DK, RF not allowed)

UCH_N050   INSTRUCTION: To log in the waybill number of the postage-paid
envelope, scan the bar code on the envelope.

(13 spaces)

(DK, RF not allowed)

Programmer: *The Waybill Number should be within AA000000001CA and ZZ999999999CA.*

UCH_C050A   If DRYRUN in (1,2), go to UCH_N050A.
Otherwise, go to UCH_E050A.

UCH_N050A   INSTRUCTION: To log in the waybill number of the second postage-paid
envelope, scan the bar code on the envelope.

(13 spaces)

(DK, RF not allowed)

Programmer: *The Waybill Number should be within AA000000001CA and ZZ999999999CA or EMPTY.*

UCH_R050

Please mail the sample^DT_MULTIPLEE in the provided envelope on ^DateMailBackE. Should you have any questions or concerns, you will find a toll free number at the bottom of the provided instruction sheet.

INSTRUCTION: Give home urine sample kit(s) to the respondent. Ensure they do not confuse this material with the Activity Monitor material.

Inform the respondent that he/she will receive a call to ensure that ^TWOSAMPLES mailed.

Press <1> to continue.

Go to UCH_END

UCH_N060

INSTRUCTION: Why was the component not fully completed?

01   Respondent unable to continue for health reasons
02   Respondent unable to understand technique / Health Measures Specialist unable to adapt coaching
04   Equipment problem / technical difficulty
05   Respondent's mental condition
06   No time
20   Other - Specify   (Go to UCH_S060)
(DK, RF not allowed)

Go to UCH_END

UCH_S060

(Why was the component not fully completed?)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Go to UCH_END

Programmer:

Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.

UCH_N065

INSTRUCTION: Record the reason why the respondent is not willing to provide a home urine sample.

1 Burden
2 Invasive
3 Away during collection
period
4 Health problem
5 Other - Specify   (Go to UCH_S065)
(DK, RF not allowed)

Go to UCH_END

UCH_S065   (Record the reason why the respondent is not willing to provide a hair sample.)

INSTRUCTION: Specify.

_____

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

UCH_END

Urine Collection 2 (UC2)

UC2_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex : ^GenderE

UC2_N10   INSTRUCTION: Record whether the respondent provided a second urine sample.

1   Yes
2   No
(DK, RF not allowed)

UC2_C10   If UC2_N10 = 1, go to UC2_END.
Otherwise, go to UC2_N30.

UC2_N30   INSTRUCTION: Why was the component not completed?

03   Respondent refuses to continue
06   No time
10   Unable to provide
20   Other - Specify   (Go to UC2_S30)
(DK, RF not allowed)

Go to UC2_END

UC2_S30   (Why was the component not completed?)

INSTRUCTION: Specify.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

UC2_END

Exit Component Introduction (ECI)

ECI_BEG

Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
SCS_N12: visit type

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

ECI_R01

Before you leave, we have a few administrative questions.

INSTRUCTION: Press <1> to continue.

ECI_END

Exit Consent Questions (ECQ)

ECQ_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
CPROV: province of residence
LNKFLG: flag indicating whether consent to link will be asked or whether a linkage text will be read (1 = linkage question; 2 = linkage statement)

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks:
RespondentName: name of respondent
RespondentFirstName: first name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
DryRun: whether the case is a dry run case
CON_SEX: sex of the respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

ECQ_C11

If DryRun in (1, 2), go to ECQ_END.
Otherwise, go to ECQ_D11A.

ECQ_C12

If LNKFLG = 1, go to ECQ_Q12A.
Otherwise, go to ECQ_Q13A.

ECQ_Q13A

Statistics Canada may combine information about [you/^RespondentFirstName] collected during this survey with information from other surveys or from administrative data sources.

The results will be used for statistical purposes only.

INSTRUCTION: Press <1> unless the respondent objects to combining the information.

1	Continue
2	Respondent does not (Go to ECQ_D21) want the information combined with other data sources
DK, RF	(Go to ECQ_D21)

Help text:

CHMS data could be combined with the respondent's information from:
- the Provincial Ministry of Health;
- health registries or other recognized health organizations.

This would include information on the respondent's past and continuing use of:
- services provided at hospitals, clinics and doctors' offices;
- other health services provided by the province.

ECQ_Q14 **Having a [provincial/territorial] health number will assist Statistics Canada in linking the survey data to the [provincial/territorial] health information.**
[Do you/Does ^RespondentFirstName] have a(n) [Newfoundland and Labrador/Prince Edward Island/Nova Scotia/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon/Northwest Territories/Nunavut] health number?

1	Yes	(Go to ECQ_D16A)
2	No	
DK, RF		(Go to ECQ_D21)

ECQ_Q15 **For which province or territory is [your/^RespondentFirstName's] health number?**

10	Newfoundland and Labrador	
11	Prince Edward Island	
12	Nova Scotia	
13	New Brunswick	
24	Quebec	
35	Ontario	
46	Manitoba	
47	Saskatchewan	
48	Alberta	
59	British Columbia	
60	Yukon	
61	Northwest Territories	
62	Nunavut	
88	Does not have a Canadian health number	(Go to ECQ_D21)
DK, RF		(Go to ECQ_D21)

ECQ_B16 Call the Health number validation (HN) block.

ECQ_R21

To avoid duplication of surveys, Statistics Canada has signed agreements with Health Canada and the Public Health Agency of Canada to share the information collected during this survey.

[Your name, address, telephone number and health number/Your name, address and telephone number/^RespondentFirstName's name, address, telephone number and health number/^RespondentFirstName's name, address and telephone number] will not be shared.

INSTRUCTION: Press <1> to continue.

ECQ_Q22

They have agreed to keep the information confidential and use it only for statistical purposes.

Do you agree to share [your/^RespondentFirstName's] information with Health Canada and the Public Health Agency of Canada?

1   Yes
2   No
DK, RF

ECQ_END

Contact (CONT)

CONT_BEG	Content block
	External fields required:
	Variables taken from sample file: STAND: name of the city/town/village in which the clinic has been set up CLINICID: 8 digit respondent identifier
	Variables assigned in Variable Creation (Appendix II): CurrentYear: numeric year during which clinic visit is taking place CurrentMonth: numeric month during which clinic visit is taking place CurrentDay: numeric day during which clinic visit is taking place DryRun: indicator of whether the case is a dry run case SessionE: English text of when the clinic visit is taking place
	Variables from previously completed blocks: RespondentName: first and last name of respondent GenderE: English text for sex of respondent CON_AGE: age of respondent CON_SEX: sex of respondent

	Screen display:
	The following header should be displayed for each question:
	  Stand: ^STAND Date: ^CurrentDate Session: essionE Comp: ^CompE
	  Clinic ID: ^ClinicID Name: ^RespondentName Age: ^CON_AGE Sex: ^GenderE

CONT_C01	If DryRun in (1, 2), go to CONT_END. Otherwise, go to CONT_Q01.
CONT_Q01	**We may want to contact your household in a number of years to ask about your participation in a follow-up to this survey.** **Do we have your permission to contact you?** 1 Yes 2 No (DK not allowed) RF
CONT_C03B	If CONT_Q01 = 2 or RF, go to CONT_END. Otherwise, go to CONT_Q03.
CONT_Q03	**In case you move or change telephone number(s), it would be helpful if you could provide the name, telephone number and address of a relative or friend who could help us to contact you.**

INSTRUCTION: Press <1> to continue.

1   Continue
(DK not allowed)
RF

CONT_C04

If CONT_Q03 = RF, go to CONT_END.
Otherwise, go to CONT_B05.

CONT_B05

Call the Get Contact Name (GCN) block. See Appendix I.

Programmer:

Pass the following parameters:
*DV_QTEXT_E = "**I want to emphasize that we will contact this person only if we experience difficulty reaching you**. "*

CONT_C05

If CONT_B05.GCN_Q02 = 1, go to CONT_END.
Otherwise, go to CONT_D05.

CONT_B06

Call the New Address block (NAD). See Appendix I.

Programmer:

Pass the following parameters:
*DV_QTEXT_E = "**What is the address for ^CONT1_NAMEE?**"*
LISTINGADFLAG = 2 (No)
NONCANADFLAG = 1 (Yes)
ASKDESCRIPTION = 1 (Yes)

CONT_C07

If CONT_B06.Province = 77 "Outside of Canada and U.S.A.", go to CONT_B08.
Otherwise, go to CONT_B07.

CONT_B07

Call the North American Telephone block (NATP). See Appendix I.

Go to CONT_B09.

Programmer:

Pass the following parameters:
*DV_QTEXT_E = "**What is the telephone number for ^CONT1_NAMEE, including the area code?**"*
ASKEXT = 2 (No).

CONT_B08

Call the Overseas Telephone block (OSTP). See Appendix I.

Programmer:

Pass the following parameters:
*DV_QTEXT_E = "**What is the telephone number for ^CONT1_NAMEE, including the area code?**"*

CONT_B09

Call the Get Contact Name block (GCN). See Appendix I.

Programmer:

Pass the following parameters:
*DV_QTEXT_E = "**Is there someone else we could call to help us contact you? Again, we will contact this person only if we experience difficulty reaching you and then only to obtain the new address and telephone number**. "*

CONT_C09

If CONT_B09.GCN_Q02 = 1, go to CONT_END.
Otherwise, go to CONT_D09.

CONT_B10

Call the New Address block (NAD). See Appendix I.

Programmer:	*Pass the following parameters:*
	*DV_QTEXT_E = "**What is the address for ^CONT2_NAMEE?**"*
	LISTINGADFLAG = 2 (No)
	NONCANADFLAG = 1 (Yes)
	ASKDESCRIPTION = 1 (Yes)

CONT_C11 If CONT_B10.Province = 77 "Outside of Canada and U.S.A.", go to CONT_B12.
Otherwise, go to CONT_B11.

CONT_B11 Call the North American Telephone block (NATP). See Appendix I.

Go to CONT_END

Programmer:	*Pass the following parameters:*
	*DV_QTEXT_E = "**What is the telephone number for ^CONT2_NAMEE, including the area code?**"*
	ASKEXT = 2 (No).

CONT_B12 Call the Overseas Telephone block (OSTP). See Appendix I.

Programmer:	*Pass the following parameters:*
	*DV_QTEXT_E = "**What is the telephone number for ^CONT2_NAMEE, including the area code?**"*

CONT_END

Clinic Sign-Out (CSO)

CSO_BEG	Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place
DryRun: indicator of whether the case is a dry run case

Variables output from previously completed blocks:
RespondentName: name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
RespondentFirstName: first name of respondent
LNG_N11: respondent's preferred official language
SCS_N12: visit type
DT_REP11TEXTE : Dynamic text from REP block
("^RespondentFirstName's"/"your")
RespondentName: first and last name of the respondent

Screen display:
The following header should be displayed for each question:
  Stand: ^STAND   Date: ^CurrentDate   Session: essionE   Comp: ^CompE
  Clinic ID: ^ClinicID   Name: ^RespondentName   Age: ^CON_AGE
Sex: ^GenderE

CSO_R11A

Thank you for participating in the survey. Here is ^DT_REP11TEXTE Report of physical measurements containing the results for some of the tests [he/she/you] performed today.

INSTRUCTION: Provide the respondent with his/her Report of physical measurements.
Briefly review the report with the respondent, identifying each section and explaining where the results and interpretations can be found.

Press <1> to continue.

CSO_R11B

Do you have any questions about this report? If you would like, a Health Measures Specialist can spend a few minutes reviewing the test results with you now.

INSTRUCTION: If a respondent has questions, ask a Health Measures Specialist to answer any questions about the test results.

Press <1> to continue.

CSO_R12	**We will send the final report of ^DT_REP11TEXTE test results in 6 to 7 months. [If you move, please inform us by phoning or e-mailing us/If you move, please inform us by e-mail or by returning this change of address card]**
	INSTRUCTION: Press <1> to continue.
CSO_C21	If DryRun in (1, 2), go to CSO_N23. Otherwise, go to CSO_N22.
CSO_N22	INSTRUCTION: Record whether ^RespondentName is to receive the standard reimbursement of $100.
	1 Yes (Go to CSO_D23) 2 No (DK, RF not allowed)
CSO_N23	INSTRUCTION: Record the reimbursement amount. |_|_|_| Amount (in dollars) (MIN: 0) (MAX: 300) (DK, RF not allowed)
CSO_C24A	If DryRun = 3, go to CSO_C24C. Otherwise, go to CSO_C24B.
CSO_C24B	If (DryRun = 1 or 2) and CSO_D23 > 0, go to CSO_N24. Otherwise, go to CSO_END.
CSO_C24C	If DryRun = 3 and CSO_D23 > 100, go to CSO_N25. Otherwise, go to CSO_D30.
CSO_N24	INSTRUCTION: Specify the reason why a reimbursement is being disbursed to a dry-run participant.
	(80 spaces)
	(DK, RF not allowed)
	Go to CSO_D30
Programmer:	*Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*
CSO_N25	INSTRUCTION: Specify the reason why a reimbursement in excess of $100 is being disbursed.

(80 spaces)

(DK, RF not allowed)

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

CSO_N30

<u>INSTRUCTION</u>: Press <1> to print the Reimbursement form.

1   Print the form
(DK, RF not allowed)

Programmer: *IF LNG_N11 = 1 THEN*
            Print the English Reimbursement form (Reimbursement_Form_E.docx)
ELSE
            Print the French Reimbursement form (Reimbursement_Form_F.docx)

ENDIF

The CurrentSMIDName used for the site manager needs to be the first level 3 found in the LOG block from the Interface.

IF CSO_N30 = RESPONSE AND DATE_D24 = EMPTY THEN
    DATE_D24   := SYSDATE
    TIME_D24   := SYSTIME
ENDIF

CSO_R31

Before you leave, I would like to provide you with a reimbursement of the expenses for ^DT_REP11TEXTE participation in the clinic portion of the survey. I need you to sign this form, which indicates that you received the reimbursement.

<u>INSTRUCTION</u>: Provide the **[respondent/parent or guardian]** with the Reimbursement Form.

When the **[respondent/parent or guardian]** returns the form, check to ensure that all requested information has been filled in and is legible.

Sign the form as the witness.

Press <1> to continue.

CSO_END

Date (DATE)

CAI standard block

Overview: The Date block collects a date as three separate fields in order by day, month, and year. Specific question text varies on the context.

DATE_BEG Import the following variables:

DV_QTEXT_E (Question text)

DATE_Q01 **^DV_QTEXT_E**

INTERVIEWER: Enter the day.
If necessary, ask: (**What is the day?**)

|_|_|
(MIN: 1)
(MAX: 31)

DK, RF

DATE_Q02 **(^DV_QTEXT_E)**

INTERVIEWER: Select the month.
If necessary, ask: (**What is the month?**)

01   January
02   February
03   March
04   April
05   May
06   June
07   July
08   August
09   September
10   October
11   November
12   December
DK, RF

DATE_Q03 **(^DV_QTEXT_E)**

INTERVIEWER: Enter a four digit year.
If necessary, ask (**What is the year?**)

|_|_|_|_|
(MIN: 0)
(MAX: 9,997)

DK, RF

DATE_END

North American Telephone (NATP)

CAI standard block

Overview: The North American Telephone block is called from within other blocks.
                             Only a telephone number is collected.

NATP_BEG   Import the following variables:

                             DV_QTEXT_E (Question Text)
                             ASKEXT tYesNo

NATP_Q01   **^DV_QTEXT_E**

                             <u>INTERVIEWER</u>: Enter the area code.
                             If necessary, ask: (**What is the area code?**)
                             Enter "000" if no telephone.

                             |_|_|_|
                             (MIN: 0)
                             (MAX: 995)

                             DK, RF   (Go to NATP_Q02)

Help text: *Functionality:*
                             If an area code outside of Canada and the United States is entered, a soft edit will
                             be triggered for confirmation.

NATP_C01   If NATP_Q01 = "0", fill NATP_Q02 with "0", go to NATP_END.
                             Otherwise, go to NATP_E01A.

NATP_Q02   **(^DV_QTEXT_E)**

                             <u>INTERVIEWER</u>: Enter the telephone number.
                             If necessary, ask: (**What is the telephone number?**)

                             |_|_|_|_|_|_|_|
                             (MIN: 0)
                             (MAX: 9,999,995)

                             DK, RF   (Go to NATP_END)

NATP_C03   If NATP_Q02 = DK, RF or "0000000" or ASKEXT = No, go to NATP_END.
                             Otherwise, go to NATP_Q03.

NATP_Q03   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the extension, if applicable.

(6 spaces)

DK, RF

Help text:

Procedure:
If no extension, leave the EXT field blank (i.e., press <Enter>).

Programmer:

The extension field can be left empty.

NATP_END

Overseas Telephone (OSTP)

CAI standard block

Overview: | The Overseas Telephone block is called from within other blocks. Only a telephone number is collected.

OSTP_BEG | Import the following variables:

DV_QTEXT_E (Question Text)

OSTP_Q01 | **^DV_QTEXT_E**

INTERVIEWER: Enter the country code.
If necessary, ask: (**What is the country code?**)
Enter "000" if no telephone.

_____

(3 spaces)

DK, RF   (Go to OSTP_Q02)

OSTP_C01 | If OSTP_Q01 = "000", fill OSTP_Q02 with "0000" and OSTP_Q03 with "0000000", go to OSTP_END.
Otherwise, go to OSTP_Q02.

OSTP_Q02 | **(^DV_QTEXT_E)**

INTERVIEWER: Enter the city code (if required).
If necessary, ask: (**What is the city code?**)

_____

(4 spaces)

DK, RF

Help text: | *Procedure:*
If a city code is not required, leave the field blank (i.e., press <Enter>)

OSTP_C02 | If OSTP_Q02 = "blank", go to OSTP_Q03.
Otherwise, go to OSTP_Q03.

OSTP_Q03 | **(^DV_QTEXT_E)**

INTERVIEWER: Enter the telephone number.
If necessary, ask: (**What is the telephone number?**)

_____

(8 spaces)

DK, RF

OSTP_END

New Address (NAD)

CAI standard block

Overview: The Address block is called from within other blocks. Only an address is collected. Note that surveys may choose whether or not to collect US addresses.

NAD_BEG   Import the following variables:

DV_QTEXT_E (QuestionText)
LISTINGADFLAG tYesNo
NONCANADFLAG tYesNo
ASKDESCIPTION tYesNo

NAD_Q01   **^DV_QTEXT_E**

INTERVIEWER: Enter the civic number.
If necessary, ask: (**What is the civic number?**)

(6 spaces)

DK, RF
Null is allowed

Help text: *Procedure:*
If a rural descriptive address, leave the field blank (i.e., press <Enter>).

Functionality:
Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_C01   If DK or RF is entered and LISTINGADFLAG <> Yes, go to NAD_N01. Otherwise, go to NAD_Q02.

NAD_N01   INTERVIEWER: Do you wish to skip the remaining address fields?

1   Yes   (Go to NAD_END)
2   No
(DK, RF not allowed)

Help text: *Purpose:*
To allow the remaining Address questions to be skipped.
Asked only if <F5> "Refusal" or <F6> "Don't Know" was used on NAD_Q01.

Procedure:
Select "Yes" to skip the remaining Address fields.

Programmer: *If "Yes" is selected, fill address fields with DK or RF (based on the response to NAD_Q01) and go to NAD_END.*

NAD_Q02   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the civic suffix.
If necessary, ask: (**What is the civic suffix**?)

(3 spaces)

DK, RF
Null is allowed

Help text:

Procedure:
If no civic suffix, leave the field blank (i.e., press <Enter>).

NAD_Q03   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the street name.
If necessary, ask: (**What is the street name**?)

(50 spaces)

DK, RF
Null is allowed

Help text:

Purpose:
To collect the street name.

Functionality:
Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.

Procedure:
If a rural descriptive address, leave the field blank (i.e., press <Enter>).

NAD_Q04   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the street type.
If necessary, ask: (**What is the street type?**)

(20 spaces)

DK, RF
Null is allowed

Help text:

Procedure:
If no street type, leave the field blank (i.e., press <Enter>).

Programmer:

The filed NAD_Q04 is a look-up table for the street type. Here is the content of the lookup table:

ID	TYPE	ABREVIATION
0	*	
1	ABBEY	ABBEY
2	ACCESS	ACCESS
3	ACRES	ACRES
4	ALLÉE	ALLÉE
5	ALLEY	ALLEY
6	AUT	AUT
7	AUTOROUTE	AUT
8	AV	AV
9	AVE	AVE
10	AVENUE	AVENUE
11	BAY	BAY
12	BEACH	BEACH
13	BEND	BEND
14	BLVD	BLVD
15	BOUL	BOUL
16	BOULEVARD	BLVD
17	BROOK	BROOK
18	BYPASS	BYPASS
19	BY-PASS	BYPASS
20	BYWAY	BYWAY
21	C	C
22	CAMPUS	CAMPUS
23	CAPE	CAPE
24	CAR	CAR
25	CARRÉ	CARRÉ
26	CARREF	CARREF
27	CARREFOUR	CARREF
28	CDS	CDS
29	CENTRE	CENTRE
30	CENTER	CENTER
31	CERCLE	CERCLE
32	CH	CH
33	CHASE	CHASE
34	CHEMIN	CHEMIN
35	CIR	CIR
36	CIRCLE	CIRCLE
37	CIRCT	CIRCT
38	CIRCUIT	CIRCT
39	CLOSE	CLOSE
40	COMMON	COMMON
41	CONC	CONC
42	CONCESSION	CONC
43	CORNERS	CRNRS
44	CÔTE	CÔTE
45	COUR	COUR
46	COURS	COURS
47	COURT	COURT
48	COVE	COVE
49	CRES	CRES
50	CRESCENT	CRES
51	CREST	CREST
52	CRNRS	CRNRS
53	CROFT	CROFT
54	CROIS	CROIS
55	CROISSANT	CROIS
56	CROSS	CROSS
57	CROSSING	CROSS
58	CROSSROAD	CRSSRD
59	CRSSRD	CRSSRD
60	CRT	CRT
61	CTR	CTR
62	CUL-DE-SAC	CDS
63	DALE	DALE

64	DELL	DELL
65	DIVERS	DIVERS
66	DIVERSION	DIVERS
67	DOWNS	DOWNS
68	DR	DR
69	DRIVE	DRIVE
70	ECH	ÉCH
71	ECHANGEUR	ÉCH
72	END	END
73	ESPL	ESPL
74	ESPLANADE	ESPL
75	ESTATE	ESTATE
76	ESTATES ESTATE	
77	EXPRESSWAY	EXPY
78	EXPY	EXPY
79	EXTEN	EXTEN
80	EXTENSION	EXTEN
81	FARM	FARM
82	FIELD	FIELD
83	FOREST	FOREST
84	FREEWAY FWY	
85	FRONT	FRONT
86	FWY	FWY
87	GARDENSGDNS	
88	GATE	GATE
89	GDNS	GDNS
90	GLADE	GLADE
91	GLEN	GLEN
92	GREEN	GREEN
93	GRNDS	GRNDS
94	GROUNDS	GRNDS
95	GROVE	GROVE
96	HARBOURHARBR	
97	HARBR	HARBR
98	HAVEN	HAVEN
99	HEATH	HEATH
100	HEIGHTS HTS	
101	HGHLDS	HGHLDS
102	HIGHLANDS	HGHLDS
103	HIGHWAYHWY	
104	HILL	HILL
105	HOLLOW	HOLLOW
106	HTS	HTS
107	HWY	HWY
108	ILE	ÎLE
110	IMP	IMP
111	IMPASSE	IMP
112	INLET	INLET
113	ISLAND	ISLAND
114	KEY	KEY
115	KNOLL	KNOLL
116	LANDING LANDNG	
117	LANDNG	LANDNG
118	LANE	LANE
119	LANEWAYLANEWY	
120	LANEWY	LANEWY
121	LIMITS	LIMITS
122	LINE	LINE
123	LINK	LINK
124	LKOUT	LKOUT
125	LMTS	LMTS
126	LOOKOUTLKOUT	
127	LOOP	LOOP
128	MALL	MALL
129	MANOR	MANOR
130	MAZE	MAZE
131	MEADOWMEADOW	
132	MEWS	MEWS

133	MONTÉE	MONTÉE
135	MOUNT	MOUNT
136	MOUNTAIN	MOUNT
137	MTN	MTN
138	ORCH	ORCH
139	ORCHARD	ORCH
140	PARADE	PARADE
141	PARC	PARC
142	PARK	PARK
143	PARKWAY	PKY
144	PASS	PASS
145	PASSAGE PASS	
146	PATH	PATH
147	PATHWAYPATH	
148	PINES	PINES
149	PK	PK
150	PKY	PKY
151	PL	PL
152	PLACE	PLACE
153	PLAT	PLAT
154	PLATEAU PLAT	
155	PLAZA	PLAZA
156	POINT	POINT
157	POINTE	POINTE
158	PORT	PORT
159	PRIVATE	PVT
160	PROM	PROM
161	PROMENADE	PROM
162	PT	PT
163	PTWAY	PTWAY
164	PVT	PVT
165	QUAI	QUAI
166	QUAY	QUAY
167	RAMP	RAMP
168	RANG	RANG
169	RANGE	RANGE
170	RD	RD
171	RDPT	RDPT
172	REACH	REACH
173	RG	RG
174	RIDGE	RIDGE
175	RIGHT OF WAY	RTOFWY
176	RISE	RISE
177	RLE	RLE
178	ROAD	ROAD
179	ROND POINT	RDPT
180	ROUTE	ROUTE
181	ROW	ROW
182	RTE	RTE
183	RTOFWY	RTOFWY
184	RUE	RUE
185	RUELLE	RUELLE
187	RUN	RUN
188	SECTION	SECTN
189	SECTN	SECTN
190	SENT	SENT
191	SENTIER	SENT
192	SIDERD	SIDERD
193	SIDEROAD	SIDERD
194	SQ	SQ
195	SQUARE	SQUARE
196	ST	ST
197	STREET	STREET
198	STROLL	STROLL
199	SUBDIV	SUBDIV
200	SUBDIVISION	SUBDIV
201	TERR	TERR
202	TERRACE TERR	

203	TERRASSE TSSE	
205	THICKET	THICK
206	TLINE	TLINE
207	TOWERS TOWERS	
208	TOWNLINE	TLINE
209	TRACE	TRACE
210	TRAIL	TRAIL
211	TRNABT	TRNABT
212	TRUNK	TRUNK
213	TSSE	TSSE
214	TURNABOUT	TRNABT
215	VALE	VALE
216	VIA	VIA
217	VIEW	VIEW
218	VILLAGE	VILLGE
219	VILLAS	VILLAS
220	VILLGE	VILLGE
221	VISTA	VISTA
222	VOIE	VOIE
223	WALK	WALK
224	WAY	WAY
225	WHARF	WHARF
226	WOOD	WOOD
227	WYND	WYND
228	ÉCH	ÉCH
229	ÉCHANGEUR	ÉCH
230	ÎLE	ÎLE
231	AIRE	AIRE
232	BAIE	BAIE
233	BRGE	BRGE
234	DRPASS	DRPASS
235	FSR	FSR
236	PEAK	PEAK

NAD_Q05   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the street direction.
If necessary, ask: (**What is the street direction?**)

(2 spaces)

DK, RF
Null is allowed

Help text: *Procedure:*
If no street direction, leave the field blank (i.e., press <Enter>).

NAD_Q06   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the apartment number.
If necessary, ask: (**What is the apartment number?**)

_____

(6 spaces)

DK, RF
Null is allowed

Help text: *Procedure:*
If no apartment number, leave the field blank (i.e., press <Enter>).

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_Q07 **(^DV_QTEXT_E)**

INTERVIEWER: Enter the city, town, village or municipality.
If necessary, ask: (**What is the city, town, village or municipality?**)

_____

(35 spaces)

(DK, RF not allowed)

Help text: *Functionality:*
Mandatory field - something must be entered to continue.
<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_Q08 **(^DV_QTEXT_E)**

INTERVIEWER: Enter the postal code. **[Blank/If the address is outside Canada, press <Enter>]**
If necessary, ask: (**What is the postal code?**)

_____

(6 spaces)

DK, RF   (Go to NAD_Q10)
Null is allowed

Go to NAD_E08A

Help text: *Procedure:*
If the respondent is unsure or is unwilling to provide the full postal code, ask for the first three characters.
If the address is outside of Canada, leave the field blank (i.e., press <Enter>).

Functionality:
Several format edits are applied on the postal code entered.

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_C09	If If first character of the postal code is « X », go to NAD_D10. Otherwise, go to .
NAD_Q09	**(^DV_QTEXT_E)**

INTERVIEWER: Confirm that the **[territory/province]** is **[Newfoundland and Labrador/Nova Scotia/Prince Edward Island/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon]**.
If necessary, ask: (**So [territory/province] is [Newfoundland and Labrador/Nova Scotia/Prince Edward Island/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon]?**)

1   Yes   (Go to NAD_END)
2   No
(DK, RF not allowed)

Help text:	*Purpose:* *To confirm the province or territory based on the postal code that was entered.* *Functionality:* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*
NAD_Q10	**(^DV_QTEXT_E)**

INTERVIEWER: Select the province or territory.
If necessary, ask: (**What is the province or territory?**)

10   Newfoundland and Labrador
11   Prince Edward Island
12   Nova Scotia
13   New Brunswick
24   Quebec
35   Ontario
46   Manitoba
47   Saskatchewan
48   Alberta
59   British Columbia
60   Yukon
61   Northwest Territories
62   Nunavut
76   **[U.S.A./" "]**
77   **[Outside of Canada and U.S.A./" "]**
(DK, RF not allowed)

Help text:	*Purpose:* *To collect the province or territory when a postal code was not collected or not confirmed.* *Functionality:* *Mandatory field - something must be entered to continue.* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*
Programmer:	*The above is the full list of possible locations that can be displayed. Surveys may select a sub-set of the list (i.e., codes 76 and 77 can be removed from the list).*

NAD_C11　　　　　　　　　　　If 76 "U.S.A." is selected and NONCANADFLAG ne Yes, go to NAD_Q11. Otherwise, go to NAD_END.

NAD_Q11　　　　　　　　　　　**(^DV_QTEXT_E)**

<u>INTERVIEWER</u>: Select the state.
If necessary, ask: (**What is the state?**)

01   Alabama
02   Alaska
03   Arizona
04   Arkansas
05   California
06   Colorado
07   Connecticut
08   Delaware
09   District of Columbia
10   Florida
11   Georgia
12   Hawaï
13   Idaho
14   Illinois
15   Indiana
16   Iowa
17   Kansas
18   Kentucky
19   Louisiana
20   Maine
21   Maryland
22   Massachusetts
23   Michigan
24   Minnesota
25   Mississippi
26   Missouri
27   Montana
28   Nebraska
29   Nevada
30   New Hampshire
31   New Jersey
32   New Mexico
33   New York
34   North Carolina
35   North Dakota
36   Ohio
37   Oklahoma
38   Oregon
39   Pennsylvania
40   Rhode Island
41   South Carolina
42   South Dakota
43   Tennessee
44   Texas
45   Utah
46   Vermont
47   Virginia
48   Washington
49   West Virginia
50   Wisconsin
51   Wyoming
(DK, RF not allowed)

Help text:	*Functionality:* *Mandatory field - something must be entered to continue.* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*

NAD_Q12   **(^DV_QTEXT_E)**

INTERVIEWER: Enter only a US zip code.
If necessary, ask: (**What is the zip code?**)

(12 spaces)

DK, RF   (Go to NAD_END)

Programmer:	*Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_C13   If ASKDESCRIPTION = 1 (Yes)) and (NAD_Q01=(Empty, DK or RF) or NAD_Q03=(Empty, DK or RF)), go to NAD_Q13.
Otherwise, go to NAD_END.

NAD_Q13   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the rural description.
If necessary, ask: (**What is the rural description**?)

(60 spaces)

DK, RF
Null is allowed

Help text:	*Purpose:* *To collect the rural description.* *Functionality:* *Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.*
Programmer:	*Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_END

Health Number Validation (HN)

Core content

HN_BEG   Content block

External variables required:

Variables taken from sample file:
STAND: name of the city/town/village in which the clinic has been set up
CLINICID: 8 digit respondent identifier
CPROV: province of residence

Variables assigned in Variable Creation (Appendix II):
CurrentYear: numeric year during which clinic visit is taking place
CurrentMonth: numeric month during which clinic visit is taking place
CurrentDay: numeric day during which clinic visit is taking place
SessionE: English text of when the clinic visit is taking place

Variables from previously completed blocks: RespondentName: name of respondent RespondentFirstName: first name of respondent
GenderE: English text for sex of respondent
CON_AGE: age of respondent
CON_SEX: sex of the respondent
DV_HNPROV: Province of respondent's health card .

Screen display:
The following header should be displayed for each question: Stand : ^STAND   Date : ^CurrentDate   Session : essionE   Comp : ^CompE
Clinic ID : ^ClinicID   Name : ^RespondentName   Age : ^CON_AGE
Sex : ^GenderE

HN_Q005   **What is [your/his/her] health number?**

INSTRUCTION: Enter a health number for **[Newfoundland and Labrador/Prince Edward Island/Nova Scotia/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon/the Northwest Territories/Nunavut]**. In **[Newfoundland and Labrador/Prince Edward Island/Nova Scotia/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon/the Northwest Territories/Nunavut]**, the health number is made up of **[twelve numbers/eight numbers/ten numbers/nine numbers/four letters followed by eight numbers/ten numbers. Do not include the two letters at the end for green health cards/nine numbers, beginning with 002/one letter followed by seven numbers]**. Do not insert blanks, hyphens or commas between the numbers. Field entry could varies from 8-12 characters depending on the province.

[Note: In Manitoba, health numbers of families can be listed on the same card. Be sure to capture the intended respondent's health number if there is more than one on the card./Note: In British Columbia, residents may have a combined driver's license and health card. If the respondent has a combined card, the health number is on the back above the barcode./null]

(12 spaces)

DK, RF   (Go to HN_END)

Programmer: *Response can only be a maximum length of the corresponding DV_HNPROV variable. Any lower case text typed into the field should be converted to upper case text after <Enter> is pressed.*

HN_N005B   INSTRUCTION: Re-enter the health number.

(12 spaces)

(DK, RF not allowed)

Programmer: *Derive the flag DV_HNGood using the HN validation algorithm in the document Health Number Validation / Verification des numéros de carte santé, SDD, February 20, 2008 (last update August 13, 2013).*
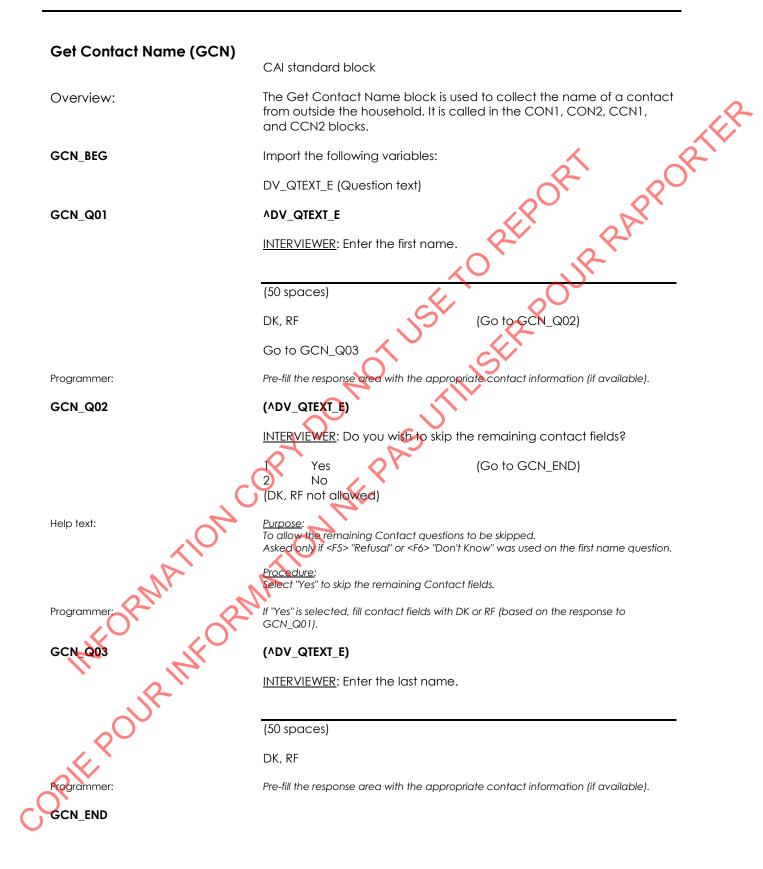
HN_END

Electronic Address (EA)

CAI standard block

Overview: This block is used to confirm or collect the electronic address.

EA_BEG   Call block

External variables required:

Variables taken from sample file:
EMAILADDRESS: specific respondent's e-mail address (as provided in a previous interview or survey)

Variables from previously completed blocks:
SPECRESPFNAME: first name of selected respondent
PROXYSEX: gender of selected respondent and whether the interview is being conducted by proxy
  1 = male, non-proxy
  2 = female, non-proxy
  3 = male, proxy
  4 = female, proxy

EA_C01   If EMAILADDRESS = DK, RF or EMPTY, go to EA_Q02.
Otherwise, go to EA_D01A.

EA_Q01   **I would like to confirm your e-mail address.**
Is it ^EMAILADDRESS?

<u>INSTRUCTION</u>: Read the e-mail address character by character.

1   Yes
2   No
DK, RF   (Go to EA_END)

Programmer: *Pre-fill the question text with the appropriate respondent name and e-mail address.*

EA_C02   If EA_Q01 = 1 (Yes), go to EA_END.
Otherwise, go to EA_Q02.

EA_Q02   **What is your e-mail address?**

INSTRUCTION: Ask about upper and lower case, special characters, etc.

_____

(80 spaces)

DK, RF   (Go to EA_END)

Help text: *Email address must follow the format: name@domain.type*

*Name may contain only the following: letters (upper or lower case, no accents), numbers, or ! ' & . - + * $ % ^ _(no blank spaces)*

Domain may contain only:
(a) sequences of 1-3 numbers with a period (.) between them (e.g. 123.53.233) OR
(b) sequences of letters (upper or lower case, no accents) or numbers with a period (.) between each sequence; each sequence must contain at least one letter (e.g. statcan.gc)
Optionally, domain may begin with the character [

Type may contain only:
(a) 1-3 numbers OR
(b) 2-4 letters (e.g. com, org, net, ca)
Optionally, type may end with the character]

Programmer: *Any lower case text characters typed into the field should NOT be converted to upper case text characters after <Enter> is pressed.*

EA_Q03   **I would like to confirm the e-mail address.**
                          Is it ^EA_Q02?

                          INSTRUCTION: Read the e-mail address character by character.

                          1   Yes   (Go to EA_END)
                          2   No
                          DK, RF   (Go to EA_END)

EA_END

Get Contact Name (GCN)

CAI standard block

Overview:

The Get Contact Name block is used to collect the name of a contact from outside the household. It is called in the CON1, CON2, CCN1, and CCN2 blocks.

GCN_BEG

Import the following variables:

DV_QTEXT_E (Question text)

GCN_Q01

^DV_QTEXT_E

<u>INTERVIEWER</u>: Enter the first name.

(50 spaces)

DK, RF   (Go to GCN_Q02)

Go to GCN_Q03

Programmer:

Pre-fill the response area with the appropriate contact information (if available).

GCN_Q02

(^DV_QTEXT_E)

<u>INTERVIEWER</u>: Do you wish to skip the remaining contact fields?

1   Yes   (Go to GCN_END)
2   No
(DK, RF not allowed)

Help text:

<u>Purpose</u>:
To allow the remaining Contact questions to be skipped.
Asked only if <F5> "Refusal" or <F6> "Don't Know" was used on the first name question.

<u>Procedure</u>:
Select "Yes" to skip the remaining Contact fields.

Programmer:

If "Yes" is selected, fill contact fields with DK or RF (based on the response to GCN_Q01).

GCN_Q03

(^DV_QTEXT_E)

<u>INTERVIEWER</u>: Enter the last name.

(50 spaces)

DK, RF

Programmer:

Pre-fill the response area with the appropriate contact information (if available).

GCN_END

Sub-Sampling Labels (CSSL)

CSSL_BEG   Sub-Sampling Labels Component

CSSL_B005   Call Subsampling Labelsl (SSL)

CSSL_B010   Call Sub-Sampling Labels Component End (SLE)

CSSL_END

Respondent Verification (CRVB)

CRVB_BEG	Respondent Verification Component
CRVB_B005	Call Respondant Verification (RVB)
CRVB_B010	CallName Spelling Confirmation (NSC)
CRVB_B015	Call Sex Confirmation (SXC)
CRVB_B020	Call Confirmation of Birth Date (DDN)
CRVB_B025	Call DDN1 (DDN1)
CRVB_B030	Call DDN3 (DDN3)
CRVB_B035	Call Language Confirmation (LNG)
CRVB_B040	Call Respondent Verification Component End (RVC)
CRVB_END	

Consent (CCON)

CCON_BEG   Consent Component

CCON_B005   Call Consent (CON)

CCON_B010   Call Report (REP)

CCON_B015   Call Urgent Condition (URG)

CCON_B020   Call Electronic Address (EA)

CCON_B025   Call Consent Component End (COC)

CCON_END

Urine Collection 1 (CUC1)

CUC1_BEG   Urine Collection 1 Component

CUC1_B050   Call Urine Collection 1 (UC1)

CUC1_B010   Call Urine Collection 1 Component End (U1E)

CUC1_END

Screening (CSCR)

CSCR_BEG	Screening Component
CSCR_B005	Call Screening Component Introduction (SCI)
CSCR_B010	Call Adherence to Guidelines (ATG)
CSCR_B015	Call Physical and Health Conditions (PHC)
CSCR_B020	Call Women's Health Restrictions (WHR)
CSCR_B025	Call Physical Activity Restrictions (PHR)
CSCR_B030	Call Bone or Joint Problem (BJP)
CSCR_B035	Call Bone Mineral Density Test Restrictions (BMR)
CSCR_B040	Call Vision Component Restrictions (VIR)
CSCR_B045	Call Hair Sample Restriction (HSR)
CSCR_B050	Call Medications and Product Confirmation (MEDC)
CSCR_B055	Call Confirm Drug Product (CDP)
CSCR_B060	Call Medication Use for Clinic (MEUC)
CSCR_B065	Call New Product Information (NPI)
CSCR_B070	Call Other Reason for Screening Out (ORS)
CSCR_B075	Call Screening Component End (SCR)
CSCR_END	

Vision Questions (CVIC)

CVIC_BEG   Vision Questions Component

CVIC_B005   Call Distance Viewing Confirmation (DVC)

CVIC_B010   Call Vision Clinic (VIC)

CVIC_B015   Call Vision Prescription Clinic (VPRC)

CVIC_B020   Call Vision Prescription Value (VPV)

CVIC_B025   Call Vision Questionnaire Component End (VQC)

CVIC_END

Anthropometry (CANC)

CANC_BEG   Anthropometrie Component

CANC_B005   Call Anthropometric Component Introduction (ACI)

CANC_B010   Call Height and Weight Measurements (HWM)

CANC_B015   Call Anthropometric Component End (ANC)

CANC_END

Blood Pressure (CBPC)

CBPC_BEG   Blood Pressure Component

CBPC_B005   Call Blood Pressure Measurement (BPM)

CBPC_B010   Call Blood Pressure Recording (BPR)

CBPC_B015   Call Blood Pressure Measurement Component End (BPC)

CBPC_END

Phlebotomy (CPHB)

CPHB_BEG   Phlebotomy Component

CPHB_B005   Call Phlebotomy Component Introduction (PHI)

CPHB_B010   Call Blood Collection (BDC)

CPHB_B015   Call Phlebotomy Component End (PHB)

CPHB_END

Saliva Collection (CSLC)

CSLC_BEG   Saliva Collection Component

CSLC_B005   Call Saliva Collection Block (SC1)

CSLC_B010   Call Saliva Collection 1 Component End (SCE)

CSLC_END

Quantitative Computed Tomography (CQCT)

CQCT_BEG   Quantitative Computed Tomography Component

CQCT_B005   Call Peripheral Quantitative Computed Tomography Measurement
                                     Block (QCT)

CQCT_B010   Call pQCT Component End (QCC)

CQCT_END

Visual Acuity (CVAC)

CVAC_BEG   Visual Acuity Component

CVAC_B005   Call Visual Acuity Scenario's (VAS)

CVAC_B010   Call Visual Acuity Measurement (VAM)

CVAC_B015   Call Visual Acuity Recording (VAR)

CVAC_B020   Call Visual Acuity Component End (VAC)

CVAC_END

Visual Field (CFDT)

CFDT_BEG   Visual Field Component

CFDT_B005   Call Visual Field (Frequency Doubling Test) Introduction (FDTI)

CFDT_B010   Call Visual Field (Frequency Doubling Test) Measurement (FDTM)

CFDT_B015   Call Visual Field End (FDTC)

CFDT_END

Retinal Photography (CRTP)

CRTP_BEG   Retinal Photography Component

CRTP_B005   Call Retinal Photography Measurement (RTP)

CRTP_B010   Call Retinal Photography - Derived Variables (RPD)

CRTP_B015   Call Retinal Photography Component End (RTPC)

CRTP_END

Intraocular Pressure (CIOP)

CIOP_BEG   Intraocular Pressure Component

CIOP_B005   Call Intraocular Pressure Introduction (IOPI)

CIOP_B010   Call Intraocular Pressure Measurement (IOPM)

CIOP_B015   Call Intraocular Pressure Capture (IOPD)

CIOP_B020   Call Intraoccular Pressure End (IOPC)

CIOP_END

Hair Sample (CHSC)

CHSC_BEG   Hair Sample Component

CHSC_B005   Call Hair Sample Measure (HSM)

CHSC_B010   Call Hair Sample Component End (HSC)

CHSC_END

Jumping Mechanography (CJMC)

CJMC_BEG   Jumping Mechanography Component

CJMC_B005   Call Jumping Mechanography Introduction (JMI)

CJMC_B010   Call Hopping Force Measurement (HFM)

CJMC_B015   Call Jumping Force Measurement (JFM)

CJMC_B020   Call Jumping Mechanography Component End (JMC)

CJMC_END

mCAFT (CAFT)

CAFT_BEG   mCAFT Component

CAFT_B005   Call mCAFT Measurement (AFT)

CAFT_B010   Call mCAFT Measurement Component End (AFC)

CAFT_END

Sit and Reach (CSRC)

CSRC_BEG   Sit and Reach Component

CSRC_B005   Call Sit and Reach Component Introduction (SRI)

CSRC_B010   Call Sit and Reach Measurement (SRM)

CSRC_B015   Call Sit and Reach Component End (SRC)

CSRC_END

Grip Strength (CGSC)

CGSC_BEG   Grip Strength Component

CGSC_B005   Call Grip Strength Component Introduction (GSI)

CGSC_B010   Call Grip Strength Measurement (GSM)

CGSC_B015   Call Grip Strength Component End (GSC)

CGSC_END

Fish and Shellfish Consumption (CFSF)

CFSF_BEG   Fish and Shellfish Consumption Component

CFSF_B005   Call Fish and Shellfish Consumption (FSF)

CFSF_B010   Call Detail Fish and Shellfish (DFS)

CFSF_B015   Call Fish and Shellfish Consumption Component End (FSE)

CFSF_END

Activity Monitor (CAMC)

CAMC_BEG	Activity Monitor Component
CAMC_B005	Call Activity Monitor (AM)
CAMC_B010	Call Activity Monitor Component End (AMC)
CAMC_END	

Urine Collection - Home (CUCH)

CUCH_BEG   Urine Collection - Home Component

CUCH_B005   Call Urine Collection- Home (UCH)

CUCH_B010   Call Urine Collection-Home End (UCE)

CUCH_END

Urine Collection 2 (CUC2)

CUC2_BEG   Urine Collection 2 Component

CUC2_B005   Call Urine Collection 2 (UC2)

CUC2_B010   Call Urine Collection 2 Component End (U2E)

CUC2_END

Report of Measurements (CRMC)

CRMC_BEG   Report of Measurements Component

CRMC_B005   Call Report of Measurements (RM)

CRMC_B010   Call Report of Measurements Component End (RMC)

CRMC_END

Exit (CECC)

CECC_BEG	Exit Component
CECC_B005	Call Exit Component Introduction (ECI)
CECC_B010	Call Exit Consent Questions (ECQ)
CECC_B015	Call Contact (CONT)
CECC_B020	Call Health Number Validation (HN)
CECC_B025	Call Exit Component End (ECC)
CECC_END	

End of Clinic Visit (CCSO)

CCSO_BEG   End of Clinic Visit Component

CCSO_B005   Call Clinic Sign-Out (CSO)

CCSO_B010   Call End Clinic Visit Component End (CSC)

CCSO_END

Appendix II

Calculating Age (CALC)

CALC_BEG   Calculating Age

If DAY, MONTH and YEAR all contain valid information:

AGE   =   [reference year] - [date of birth year]
                    ([date of birth month] > [reference month])
                    (([date of birth month] = [reference month]) ×
                    ([date of birth day] > [reference day]))

            where: [reference day], [reference month] and
                    [reference year] correspond to the
                    current/system date or the date provided
                    on the survey's sample file

            and   [date of birth day], [date of birth month] and
                    [date of birth year] correspond to the date of
                    birth

If DAY is DK or RF and MONTH and YEAR contain valid information and
MONTH is not equal to the [reference month]:

AGE   =   [reference year] - [date of birth year]
                    ([date of birth month] > [reference month])

            where: [reference month] and [reference year]
                    correspond to month and year of the
                    current/system date or the month and year
                    of the date provided on the survey's sample file

            and   [date of birth month] and [date of birth year]
                    correspond to the month and year of the date
                    of birth

CALC_END

New Address (NAD)

CAI standard block

Overview: The Address block is called from within other blocks. Only an address is collected. Note that surveys may choose whether or not to collect US addresses.

NAD_BEG   Import the following variables:

DV_QTEXT_E (QuestionText)
LISTINGADFLAG tYesNo
NONCANADFLAG tYesNo
ASKDESCIPTION tYesNo

NAD_Q01   **^DV_QTEXT_E**

INTERVIEWER: Enter the civic number.
If necessary, ask: (**What is the civic number?**)

_____

(6 spaces)

DK, RF
Null is allowed

Help text: _Procedure:_
                     If a rural descriptive address, leave the field blank (i.e., press <Enter>).

                     Functionality:
                     Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.

Programmer: _Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed._

NAD_C01   If DK or RF is entered and LISTINGADFLAG <> Yes, go to NAD_N01.
                     Otherwise, go to NAD_Q02.

NAD_N01   INTERVIEWER: Do you wish to skip the remaining address fields?

                     1   Yes   (Go to NAD_END)
                     2   No
                     (DK, RF not allowed)

Help text: _Purpose:_
                     To allow the remaining Address questions to be skipped.
                     _Asked only if <F5> "Refusal" or <F6> "Don't Know" was used on NAD_Q01._

                     Procedure:
                     Select "Yes" to skip the remaining Address fields.

Programmer: _If "Yes" is selected, fill address fields with DK or RF (based on the response to NAD_Q01) and go to NAD_END._

NAD_Q02   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the civic suffix.
If necessary, ask: (**What is the civic suffix**?)

_____

(3 spaces)

DK, RF
Null is allowed

Help text:

Procedure:
If no civic suffix, leave the field blank (i.e., press <Enter>).

NAD_Q03　　　　　**(^DV_QTEXT_E)**

INTERVIEWER: Enter the street name.
If necessary, ask: (**What is the street name**?)

_____

(50 spaces)

DK, RF
Null is allowed

Help text:

Purpose:
To collect the street name.

Functionality:
Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.

Procedure:
If a rural descriptive address, leave the field blank (i.e., press <Enter>).

NAD_Q04　　　　　**(^DV_QTEXT_E)**

INTERVIEWER: Enter the street type.
If necessary, ask: (**What is the street type?**)

(20 spaces)

DK, RF
Null is allowed

Help text:

Procedure:
If no street type, leave the field blank (i.e., press <Enter>).

Programmer:

The filed NAD_Q04 is a look-up table for the street type. Here is the content of the lookup table:

ID	TYPE	ABREVIATION
0	*	
1	ABBEY	ABBEY
2	ACCESS	ACCESS
3	ACRES	ACRES
4	ALLÉE	ALLÉE
5	ALLEY	ALLEY
6	AUT	AUT
7	AUTOROUTE	AUT
8	AV	AV
9	AVE	AVE
10	AVENUE	AVENUE
11	BAY	BAY
12	BEACH	BEACH
13	BEND	BEND
14	BLVD	BLVD
15	BOUL	BOUL
16	BOULEVARD	BLVD
17	BROOK	BROOK
18	BYPASS	BYPASS
19	BY-PASS	BYPASS
20	BYWAY	BYWAY
21	C	C
22	CAMPUS	CAMPUS
23	CAPE	CAPE
24	CAR	CAR
25	CARRÉ	CARRÉ
26	CARREF	CARREF
27	CARREFOUR	CARREF
28	CDS	CDS
29	CENTRE	CENTRE
30	CENTER	CENTER
31	CERCLE	CERCLE
32	CH	CH
33	CHASE	CHASE
34	CHEMIN	CHEMIN
35	CIR	CIR
36	CIRCLE	CIRCLE
37	CIRCT	CIRCT
38	CIRCUIT	CIRCT
39	CLOSE	CLOSE
40	COMMON	COMMON
41	CONC	CONC
42	CONCESSION	CONC
43	CORNERS	CRNRS
44	CÔTE	CÔTE
45	COUR	COUR
46	COURS	COURS
47	COURT	COURT
48	COVE	COVE
49	CRES	CRES
50	CRESCENT	CRES
51	CREST	CREST
52	CRNRS	CRNRS
53	CROFT	CROFT
54	CROIS	CROIS
55	CROISSANT	CROIS
56	CROSS	CROSS
57	CROSSING	CROSS
58	CROSSROAD	CRSSRD
59	CRSSRD	CRSSRD
60	CRT	CRT
61	CTR	CTR
62	CUL-DE-SAC	CDS
63	DALE	DALE

64	DELL	DELL
65	DIVERS	DIVERS
66	DIVERSION	DIVERS
67	DOWNS	DOWNS
68	DR	DR
69	DRIVE	DRIVE
70	ECH	ÉCH
71	ECHANGEUR	ÉCH
72	END	END
73	ESPL	ESPL
74	ESPLANADE	ESPL
75	ESTATE	ESTATE
76	ESTATES ESTATE	
77	EXPRESSWAY	EXPY
78	EXPY	EXPY
79	EXTEN	EXTEN
80	EXTENSION	EXTEN
81	FARM	FARM
82	FIELD	FIELD
83	FOREST	FOREST
84	FREEWAY FWY	
85	FRONT	FRONT
86	FWY	FWY
87	GARDENSGDNS	
88	GATE	GATE
89	GDNS	GDNS
90	GLADE	GLADE
91	GLEN	GLEN
92	GREEN	GREEN
93	GRNDS	GRNDS
94	GROUNDS	GRNDS
95	GROVE	GROVE
96	HARBOURHARBR	
97	HARBR	HARBR
98	HAVEN	HAVEN
99	HEATH	HEATH
100	HEIGHTS HTS	
101	HGHLDS	HGHLDS
102	HIGHLANDS	HGHLDS
103	HIGHWAYHWY	
104	HILL	HILL
105	HOLLOW	HOLLOW
106	HTS	HTS
107	HWY	HWY
108	ILE	ÎLE
110	IMP	IMP
111	IMPASSE	IMP
112	INLET	INLET
113	ISLAND	ISLAND
114	KEY	KEY
115	KNOLL	KNOLL
116	LANDING LANDNG	
117	LANDNG	LANDNG
118	LANE	LANE
119	LANEWAYLANEWY	
120	LANEWY	LANEWY
121	LIMITS	LIMITS
122	LINE	LINE
123	LINK	LINK
124	LKOUT	LKOUT
125	LMTS	LMTS
126	LOOKOUTLKOUT	
127	LOOP	LOOP
128	MALL	MALL
129	MANOR	MANOR
130	MAZE	MAZE
131	MEADOWMEADOW	
132	MEWS	MEWS

133	MONTÉE	MONTÉE
135	MOUNT	MOUNT
136	MOUNTAIN	MOUNT
137	MTN	MTN
138	ORCH	ORCH
139	ORCHARD	ORCH
140	PARADE	PARADE
141	PARC	PARC
142	PARK	PARK
143	PARKWAY	PKY
144	PASS	PASS
145	PASSAGE PASS	
146	PATH	PATH
147	PATHWAYPATH	
148	PINES	PINES
149	PK	PK
150	PKY	PKY
151	PL	PL
152	PLACE	PLACE
153	PLAT	PLAT
154	PLATEAU PLAT	
155	PLAZA	PLAZA
156	POINT	POINT
157	POINTE	POINTE
158	PORT	PORT
159	PRIVATE	PVT
160	PROM	PROM
161	PROMENADE	PROM
162	PT	PT
163	PTWAY	PTWAY
164	PVT	PVT
165	QUAI	QUAI
166	QUAY	QUAY
167	RAMP	RAMP
168	RANG	RANG
169	RANGE	RANGE
170	RD	RD
171	RDPT	RDPT
172	REACH	REACH
173	RG	RG
174	RIDGE	RIDGE
175	RIGHT OF WAY	RTOFWY
176	RISE	RISE
177	RLE	RLE
178	ROAD	ROAD
179	ROND POINT	RDPT
180	ROUTE	ROUTE
181	ROW	ROW
182	RTE	RTE
183	RTOFWY	RTOFWY
184	RUE	RUE
185	RUELLE	RUELLE
187	RUN	RUN
188	SECTION	SECTN
189	SECTN	SECTN
190	SENT	SENT
191	SENTIER	SENT
192	SIDERD	SIDERD
193	SIDEROAD	SIDERD
194	SQ	SQ
195	SQUARE	SQUARE
196	ST	ST
197	STREET	STREET
198	STROLL	STROLL
199	SUBDIV	SUBDIV
200	SUBDIVISION	SUBDIV
201	TERR	TERR
202	TERRACE TERR	

203	TERRASSE TSSE	
205	THICKET	THICK
206	TLINE	TLINE
207	TOWERS TOWERS	
208	TOWNLINE	TLINE
209	TRACE	TRACE
210	TRAIL	TRAIL
211	TRNABT	TRNABT
212	TRUNK	TRUNK
213	TSSE	TSSE
214	TURNABOUT	TRNABT
215	VALE	VALE
216	VIA	VIA
217	VIEW	VIEW
218	VILLAGE	VILLGE
219	VILLAS	VILLAS
220	VILLGE	VILLGE
221	VISTA	VISTA
222	VOIE	VOIE
223	WALK	WALK
224	WAY	WAY
225	WHARF	WHARF
226	WOOD	WOOD
227	WYND	WYND
228	ÉCH	ÉCH
229	ÉCHANGEUR	ÉCH
230	ÎLE	ÎLE
231	AIRE	AIRE
232	BAIE	BAIE
233	BRGE	BRGE
234	DRPASS	DRPASS
235	FSR	FSR
236	PEAK	PEAK

NAD_Q05　　　　　　　　　**(^DV_QTEXT_E)**

INTERVIEWER: Enter the street direction.
If necessary, ask: (**What is the street direction?**)

(2 spaces)

DK, RF
Null is allowed

Help text:　　　　　　　　　*Procedure:*
If no street direction, leave the field blank (i.e., press <Enter>).

NAD_Q06　　　　　　　　　**(^DV_QTEXT_E)**

INTERVIEWER: Enter the apartment number.
If necessary, ask: (**What is the apartment number?**)

(6 spaces)

DK, RF
Null is allowed

Help text: *Procedure:*
If no apartment number, leave the field blank (i.e., press <Enter>).

Programmer: *Any lower case text characters typed into the field should be converted to upper*
case text characters after <Enter> is pressed.

NAD_Q07   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the city, town, village or municipality.
If necessary, ask: (**What is the city, town, village or municipality?**)

(35 spaces)

(DK, RF not allowed)

Help text: *Functionality:*
Mandatory field - something must be entered to continue.
<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.

Programmer: *Any lower case text characters typed into the field should be converted to upper*
case text characters after <Enter> is pressed.

NAD_Q08   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the postal code. **[Blank/If the address is outside
Canada, press <Enter>]**
If necessary, ask: (**What is the postal code?**)

(6 spaces)

DK, RF   (Go to NAD_Q10)
Null is allowed

Go to NAD_E08A

Help text: *Procedure:*
If the respondent is unsure or is unwilling to provide the full postal code, ask for the
first three characters.
If the address is outside of Canada, leave the field blank (i.e., press <Enter>).

Functionality:
Several format edits are applied on the postal code entered.

Programmer: *Any lower case text characters typed into the field should be converted to upper*
case text characters after <Enter> is pressed.

NAD_C09	If If first character of the postal code is « X », go to NAD_D10. Otherwise, go to .
NAD_Q09	**(^DV_QTEXT_E)**

INTERVIEWER: Confirm that the **[territory/province]** is **[Newfoundland and Labrador/Nova Scotia/Prince Edward Island/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon]**.
If necessary, ask: (**So [territory/province] is [Newfoundland and Labrador/Nova Scotia/Prince Edward Island/New Brunswick/Quebec/Ontario/Manitoba/Saskatchewan/Alberta/British Columbia/Yukon]?**)

1   Yes   (Go to NAD_END)
2   No
(DK, RF not allowed)

Help text:	*Purpose:* *To confirm the province or territory based on the postal code that was entered.* *Functionality:* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*
NAD_Q10	**(^DV_QTEXT_E)**

INTERVIEWER: Select the province or territory.
If necessary, ask: (**What is the province or territory?**)

10   Newfoundland and Labrador
11   Prince Edward Island
12   Nova Scotia
13   New Brunswick
24   Quebec
35   Ontario
46   Manitoba
47   Saskatchewan
48   Alberta
59   British Columbia
60   Yukon
61   Northwest Territories
62   Nunavut
76   **[U.S.A./" "]**
77   **[Outside of Canada and U.S.A./" "]**
(DK, RF not allowed)

Help text:	*Purpose:* *To collect the province or territory when a postal code was not collected or not confirmed.* *Functionality:* *Mandatory field - something must be entered to continue.* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*
Programmer:	*The above is the full list of possible locations that can be displayed. Surveys may select a sub-set of the list (i.e., codes 76 and 77 can be removed from the list).*

NAD_C11　　　　　　　　　　If 76 "U.S.A." is selected and NONCANADFLAG ne Yes, go to NAD_Q11. Otherwise, go to NAD_END.

NAD_Q11　　　　　　　　　　**(^DV_QTEXT_E)**

INTERVIEWER: Select the state.
If necessary, ask: (**What is the state?**)

01   Alabama
02   Alaska
03   Arizona
04   Arkansas
05   California
06   Colorado
07   Connecticut
08   Delaware
09   District of Columbia
10   Florida
11   Georgia
12   Hawaii
13   Idaho
14   Illinois
15   Indiana
16   Iowa
17   Kansas
18   Kentucky
19   Louisiana
20   Maine
21   Maryland
22   Massachusetts
23   Michigan
24   Minnesota
25   Mississippi
26   Missouri
27   Montana
28   Nebraska
29   Nevada
30   New Hampshire
31   New Jersey
32   New Mexico
33   New York
34   North Carolina
35   North Dakota
36   Ohio
37   Oklahoma
38   Oregon
39   Pennsylvania
40   Rhode Island
41   South Carolina
42   South Dakota
43   Tennessee
44   Texas
45   Utah
46   Vermont
47   Virginia
48   Washington
49   West Virginia
50   Wisconsin
51   Wyoming
(DK, RF not allowed)

Help text:	*Functionality:* *Mandatory field - something must be entered to continue.* *<F5> "Refusal" and <F6> "Don't Know" are disabled for this question.*

NAD_Q12   **(^DV_QTEXT_E)**

INTERVIEWER: Enter only a US zip code.
If necessary, ask: (**What is the zip code?**)

_____

(12 spaces)

DK, RF   (Go to NAD_END)

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_C13   If ASKDESCRIPTION = 1 (Yes)) and (NAD_Q01=(Empty, DK or RF) or NAD_Q03=(Empty, DK or RF)), go to NAD_Q13.
Otherwise, go to NAD_END.

NAD_Q13   **(^DV_QTEXT_E)**

INTERVIEWER: Enter the rural description.
If necessary, ask: (**What is the rural description**?)

_____

(60 spaces)

DK, RF
Null is allowed

Help text: *Purpose:*
To collect the rural description.

Functionality:
Mandatory field - something must be entered in either civic number AND street name OR rural description to continue.

Programmer: *Any lower case text characters typed into the field should be converted to upper case text characters after <Enter> is pressed.*

NAD_END

Variable Creation - Clinic (VC)

Overview: The following variables are set by the CHMS clinic application but are
                             not specified in the block specifications for cycle 4. The specifications
                             for these variables has been removed from the shell and interface
                             specifications and consolidated in this appendix. If possible, the
                             variables should be inserted into the necessary block specifications for
                             cycle 5 with the guidance of CoSD.

VC_BEG

CurrentYear: Numeric year of current date
CurrentMonth: Numeric month of current date
CurrentDay: Numeric day of current date

CurrentDate: Numeric date in CurrentYear/CurrentMonth/CurrentDay format

CurrentTime: Numeric current time in HH:MM:SS format

CurrentMonthE: English text of the current month
CurrentMonthF: French text of the current month

OneWeekAgoYear: Numeric year of date 7 days before the clinic visit
OneWeekAgoMonth: Numeric month of date 7 days before the clinic visit
OneWeekAgoDay: Numeric day of date 7 days before the clinic visit

OneWeekAgoMonthE: English text of month 7 days before the clinic visit
OneWeekAgoMonthF: French text of month 7 days before the clinic visit

IF OneWeekAgoMonth = 1, THEN
       OneWeekAgoMonthE = "January"
       OneWeekAgoMonthF = "janvier"
ELSE IF OneWeekAgoMonth = 2, THEN
       OneWeekAgoMonthE = "February"
       OneWeekAgoMonthF = "février"
ELSE IF OneWeekAgoMonth = 3, THEN
       OneWeekAgoMonthE = "March"
       OneWeekAgoMonthF = "mars"
ELSE IF OneWeekAgoMonth = 4, THEN
       OneWeekAgoMonthE = "April"
       OneWeekAgoMonthF = "avril"
ELSE IF OneWeekAgoMonth = 5, THEN
       OneWeekAgoMonthE = "May"
       OneWeekAgoMonthF = "mai"
ELSE IF OneWeekAgoMonth = 6, THEN
       OneWeekAgoMonthE = "June"
       OneWeekAgoMonthF = "juin"
ELSE IF OneWeekAgoMonth = 7, THEN
       OneWeekAgoMonthE = "July"
       OneWeekAgoMonthF = "juillet"
ELSE IF OneWeekAgoMonth = 8, THEN
       OneWeekAgoMonthE = "August"
       OneWeekAgoMonthF = "août"
ELSE IF OneWeekAgoMonth = 9, THEN
       OneWeekAgoMonthE = "September"
       OneWeekAgoMonthF = "septembre"
ELSE IF OneWeekAgoMonth = 10, THEN
       OneWeekAgoMonthE = "October"
       OneWeekAgoMonthF = "octobre"
ELSE IF OneWeekAgoMonth = 11, THEN
       OneWeekAgoMonthE = "November"
       OneWeekAgoMonthF = "novembre"
ELSE IF OneWeekAgoMonth = 12, THEN
       OneWeekAgoMonthE = "December"

OneWeekAgoMonthF = "décembre"
ENDIF

Date1WeekAgoE: OneWeekAgoMonthE + OneWeekAgoDay + "," + OneWeekAgoYear
Date1WeekAgoF: OneWeekAgoDay + OneWeekAgoMonthF + OneWeekAgoYear

LastMonthYear: Numeric year of date one month before the clinic visit
LastMonthMonth: Numeric month of date one month before the clinic visit
LastMonthDay: Numeric day of date one month before the clinic visit

LastMonthMonthE: English text of month of date one month before the clinic visit
LastMonthMonthF: French text of month of date one month before the clinic visit

IF LastMonthMonth = 1, THEN
    LastMonthMonthE = "January"
    LastMonthMonthF = "janvier"
ELSE IF LastMonthMonth = 2, THEN
    LastMonthMonthE = "February"
    LastMonthMonthF = "février"
ELSE IF LastMonthMonth = 3, THEN
    LastMonthMonthE = "March"
    LastMonthMonthF = "mars"
ELSE IF LastMonthMonth = 4, THEN
    LastMonthMonthE = "April"
    LastMonthMonthF = "avril"
ELSE IF LastMonthMonth = 5, THEN
    LastMonthMonthE = "May"
    LastMonthMonthF = "mai"
ELSE IF LastMonthMonth = 6, THEN
    LastMonthMonthE = "June"
    LastMonthMonthF = "juin"
ELSE IF LastMonthMonth = 7, THEN
    LastMonthMonthE = "July"
    LastMonthMonthF = "juillet"
ELSE IF LastMonthMonth = 8, THEN
    LastMonthMonthE = "August"
    LastMonthMonthF = "août"
ELSE IF LastMonthMonth = 9, THEN
    LastMonthMonthE = "September"
    LastMonthMonthF = "septembre"
ELSE IF LastMonthMonth = 10, THEN
    LastMonthMonthE = "October"
    LastMonthMonthF = "octobre"
ELSE IF LastMonthMonth = 11, THEN
    LastMonthMonthE = "November"
    LastMonthMonthF = "novembre"
ELSE IF LastMonthMonth = 12, THEN
    LastMonthMonthE = "December"
    LastMonthMonthF = "décembre"
ENDIF

DateLastMonthE: LastMonthMonthE + LastMonthDay + "," + LastMonthYear

DateLastMonthF: "LastMonthDay + LastMonthMonthF + LastMonthYear

TwoMonthsAgoYear: Numeric year of date two months before the clinic visit

TwoMonthsAgoMonth: Numeric month of date two months before the clinic visit

TwoMonthsAgoDay: Numeric day of date two months before the clinic visit

TwoMonthsAgoMonthE: English text of month of date two months before the clinic visit

TwoMonthsAgoMonthF: French text of month of date two months before the clinic visit

```
IF TwoMonthsAgoMonth = 1, THEN
        TwoMonthsAgoMonthE = "January"
        TwoMonthsAgoMonthF = "janvier"
ELSE IF TwoMonthsAgoMonth = 2, THEN
        TwoMonthsAgoMonthE = "February"
        TwoMonthsAgoMonthF = "février"
ELSE IF TwoMonthsAgoMonth = 3, THEN
        TwoMonthsAgoMonthE = "March"
        TwoMonthsAgoMonthF = "mars"
ELSE IF TwoMonthsAgoMonth = 4, THEN
        TwoMonthsAgoMonthE = "April"
        TwoMonthsAgoMonthF = "avril"
ELSE IF TwoMonthsAgoMonth = 5, THEN
        TwoMonthsAgoMonthE = "May"
        TwoMonthsAgoMonthF = "mai"
ELSE IF TwoMonthsAgoMonth = 6, THEN
        TwoMonthsAgoMonthE = "June"
        TwoMonthsAgoMonthF = "juin"
ELSE IF TwoMonthsAgoMonth = 7, THEN
        TwoMonthsAgoMonthE = "July"
        TwoMonthsAgoMonthF = "juillet"
ELSE IF TwoMonthsAgoMonth = 8, THEN
        TwoMonthsAgoMonthE = "August"
        TwoMonthsAgoMonthF = "août"
ELSE IF TwoMonthsAgoMonth = 9, THEN
        TwoMonthsAgoMonthE = "September"
        TwoMonthsAgoMonthF = "septembre"
ELSE IF TwoMonthsAgoMonth = 10, THEN
        TwoMonthsAgoMonthE = "October"
        TwoMonthsAgoMonthF = "octobre"
ELSE IF TwoMonthsAgoMonth = 11, THEN
        TwoMonthsAgoMonthE = "November"
        TwoMonthsAgoMonthF = "novembre"
ELSE IF TwoMonthsAgoMonth = 12, THEN
        TwoMonthsAgoMonthE = "December"
        TwoMonthsAgoMonthF = "décembre"
ENDIF
```

Date2MonthsAgoE: TwoMonthsAgoMonthE + TwoMonthsAgoDay + "," + TwoMonthsAgoYear

Date2MonthsAgoF: TwoMonthsAgoDay + TwoMonthsAgoMonthF + TwoMonthsAgoYear

SixMonthsAgoYear: Numeric year of date six months before the clinic visit

SixMonthsAgoMonth: Numeric month of date six months before the clinic visit

SixMonthsAgoDay: Numeric day of date six months before the clinic visit

SixMonthsAgoMonthE: English text of month of date six months before the clinic visit

SixMonthsAgoMonthF: French text of month of date six months before the clinic visit

IF SixMonthsAgoMonth = 1, THEN
       SixMonthsAgoMonthE = "January"
       SixMonthsAgoMonthF = "janvier"
ELSE IF SixMonthsAgoMonth = 2, THEN
       SixMonthsAgoMonthE = "February"
       SixMonthsAgoMonthF = "février"
ELSE IF SixMonthsAgoMonth = 3, THEN
       SixMonthsAgoMonthE = "March"
       SixMonthsAgoMonthF = "mars"
ELSE IF SixMonthsAgoMonth = 4, THEN
       SixMonthsAgoMonthE = "April"
       SixMonthsAgoMonthF = "avril"
ELSE IF SixMonthsAgoMonth = 5, THEN
       SixMonthsAgoMonthE = "May"
       SixMonthsAgoMonthF = "mai"
ELSE IF SixMonthsAgoMonth = 6, THEN
       SixMonthsAgoMonthE = "June"
       SixMonthsAgoMonthF = "juin"
ELSE IF SixMonthsAgoMonth = 7, THEN
       SixMonthsAgoMonthE = "July"
       SixMonthsAgoMonthF = "juillet"
ELSE IF SixMonthsAgoMonth = 8, THEN
       SixMonthsAgoMonthE = "August"
       SixMonthsAgoMonthF = "août"
ELSE IF SixMonthsAgoMonth = 9, THEN
       SixMonthsAgoMonthE = "September"
       SixMonthsAgoMonthF = "septembre"
ELSE IF SixMonthsAgoMonth = 10, THEN
       SixMonthsAgoMonthE = "October"
       SixMonthsAgoMonthF = "octobre"
ELSE IF SixMonthsAgoMonth = 11, THEN
       SixMonthsAgoMonthE = "November"
       SixMonthsAgoMonthF = "novembre"
ELSE IF SixMonthsAgoMonth = 12, THEN
       SixMonthsAgoMonthE = "December"
       SixMonthsAgoMonthF = "décembre"
ENDIF

Date6MonthsAgoE: SixMonthsAgoMonthE + SixMonthsAgoDay + "," + SixMonthsAgoYear

Date6MonthsAgoF: SixMonthsAgoDay + SixMonthsAgoMonthF + SixMonthsAgoYear

MailBackYear: Numeric year of date 8 days after the clinic visit
MailBackMonth: Numeric month of date 8 days after the clinic visit
MailBackDay: Numeric day of date 8 days after the clinic visit

MailBackMonthE: English text of month 8 days after the clinic visit
MailBackMonthF: French text of month 8 days after the clinic visit

```
IF MailBackMonth = 1, THEN
        MailBackMonthE = "January"
        MailBackMonthF = "janvier"
ELSE IF MailBackMonth = 2, THEN
        MailBackMonthE = "February"
        MailBackMonthF = "février"
ELSE IF MailBackMonth = 3, THEN
        MailBackMonthE = "March"
        MailBackMonthF = "mars"
ELSE IF MailBackMonth = 4, THEN
        MailBackMonthE = "April"
        MailBackMonthF = "avril"
ELSE IF MailBackMonth = 5, THEN
        MailBackMonthE = "May"
        MailBackMonthF = "mai"
ELSE IF MailBackMonth = 6, THEN
        MailBackMonthE = "June"
        MailBackMonthF = "juin"
ELSE IF MailBackMonth = 7, THEN
        MailBackMonthE = "July"
        MailBackMonthF = "juillet"
ELSE IF MailBackMonth = 8, THEN
        MailBackMonthE = "August"
        MailBackMonthF = "août"
ELSE IF MailBackMonth = 9, THEN
        MailBackMonthE = "September"
        MailBackMonthF = "septembre"
ELSE IF MailBackMonth = 10, THEN
        MailBackMonthE = "October"
        MailBackMonthF = "octobre"
ELSE IF MailBackMonth = 11, THEN
        MailBackMonthE = "November"
        MailBackMonthF = "novembre"
ELSE IF MailBackMonth = 12, THEN
        MailBackMonthE = "December"
        MailBackMonthF = "décembre"
ENDIF
```

DateMailBackE: MailBackMonthE + MailBackDay + "," + MailBackYear
DateMailBackF: MailBackDay + MailBackMonthF + MailBackYear

MailAddress: Mailing address of the respondent
```
IF INTVLANG = 1 THEN
        First line of address = MA_NUM  MA_STRT  (and if MA_APT is not
blank: ", APT. " MA_APT)
ELSE
        First line of address = MA_NUM  MA_STRT  (and if MA_APT is not
blank: ", APP. " MA_APT)
ENDIF
```

IF MA_PRN < 76 THEN
      Second line of address = MA_CITY MA_PRA MA_PC
ELSE IF MA_PRN = 76 THEN
      Second line of address = MA_CITY MA_STA MA_ZIP
ELSE
      Second line of address = MA_CITY
ENDIF

HouseholdContact: HCFNAME + HCLNAME (separated by one space)

RespondentName: FNAME + LNAME (separated by one space)

ShortRespName: Substring(LNAME,1,4) + Substring(FNAME,1,3)

Notes:
Omit any special characters e.g. apostrophe, space, period, dash.
Instead, include subsequent characters [i.e., (LNAME, 5, x) and/or
(FNAME, 4, x) where x is the number of special characters omitted].

If LNAME has only 3 alphabetical characters: Substring(LNAME,1,3) +
Substring(FNAME,1,4)

If LNAME has only 2 alphabetical characters: Substring(LNAME,1,2) +
Substring(FNAME,1,5)

If FNAME has less than the required alphabetical characters, leave the
trailing characters blank.

IntLangE: English text of language of application during the household
interview (either English or French)
IntLangF: French text of language of application during the household
interview (either English or French)

IF INTVLANG = 1, THEN
      IntLangE = "English"
      IntLangF = "Anglais"
ELSE
      IntLangE = "French"
      IntLangF = "Français"
ENDIF

AppointmentE: English text of the selected type of clinic appointment
AppointmentF: French text of the selected type of clinic appointment

IF SELFAST = 1, THEN
      AppointmentE = "FASTED"
      AppointmentF = "À JEUN"
ELSE
      AppointmentE = "NON-FASTED"
      AppointmentF = "NON À JEUN"
ENDIF

SessionE: English text of current session
SessionF: French text of current session

```
IF 1 = 1 THEN
        SessionE = AppointmentE
        SessionF = AppointmentF
ENDIF
```

DryRun: Indicator of whether the case is a dry run case

```
IF Substring(CLINICID, 2, 2) = '03' THEN
        DryRun = 1
ELSE
        DryRun = 3
ENDIF
```

Gender: letter code for sex of respondent (i.e., M or F)

```
IF SEX_Q01 = 1, THEN
        GenderE = "M"
ELSE
        Gender = "F"
ENDIF
```

GenderE: English text for sex of respondent
GenderF: French text for sex of respondent

```
IF SEX_Q01= 1, THEN
        GenderE = "Male"
        GenderF = "Masculin"
ELSE
        GenderE = "Female"
        GenderF = "Féminin"
ENDIF
```

CalculatedAge: The calculated age of the respondent

If DAY, MONTH and YEAR all contain valid information:

AGE = [current year] - [date of birth year]
([date of birth month] > [current month])
((([date of birth month] = [current month]) ×
([date of birth day] > [current day]))

where: [current day], [current month] and [current year] correspond to the current/system date or the date provided on the survey's sample file and [date of birth day], [date of birth month] and [date of birth year] correspond to the date of birth

If DAY is DK or RF and MONTH and YEAR contain valid information and MONTH is not equal to the [current month]:

AGE = [current year] - [date of birth year]
([date of birth month] > [current month])

where: [current month] and [current year] correspond to month and year of the current/system date or the month and year of the date provided on the survey's sample file and [date of birth month] and

[date of birth year] correspond to the month and year of the date of birth

LastCycleDays: The number of days since the first day of the respondents last menstrual cycle

If DAY, MONTH and YEAR all contain valid information:

LastCycleDays   =   [reference year] - [year of last cycle] ([month of last cycle] > [reference month]) (([month of last cycle] = [reference month]) × ([day of last cycle] > [reference day]))

where: [reference day], [reference month] and [reference year] correspond to the current/system date or the date provided on the survey's sample file and [day of last cycle], [month of last cycle] and [year of last cycle] correspond to the first day of their last menstrual cycle

Note: This uses the same logic as Age_Days

PregnantE: English text of whether respondent is pregnant
PregnantF: French text of whether respondent is pregnant

IF PRS_Q11 = 1, THEN
        PregnantE = "Yes"
        PregnantF = "Oui"
ELSE
        PregnantE = "No"
        PregnantF = "Non"
ENDIF

DiabetesE: English text of whether respondent has been diagnosed with diabetes
DiabetesF: French text of whether respondent has been diagnosed with diabetes

IF CCC_Q51 = 1, THEN
        DiabetesE = "Yes"
        DiabetesF = "Oui"
ELSE
        DiabetesE = "No"
        DiabetesF = "Non"
ENDIF

RespLangE: English text of the language of the Health component interview
RespLangF: French text of the language of the Health component interview

IF ADM_N38 = 1, THEN
        RespLangE = "English"
        RespLangF = "Anglais"
ELSE IF ADM_N38 = 2, THEN
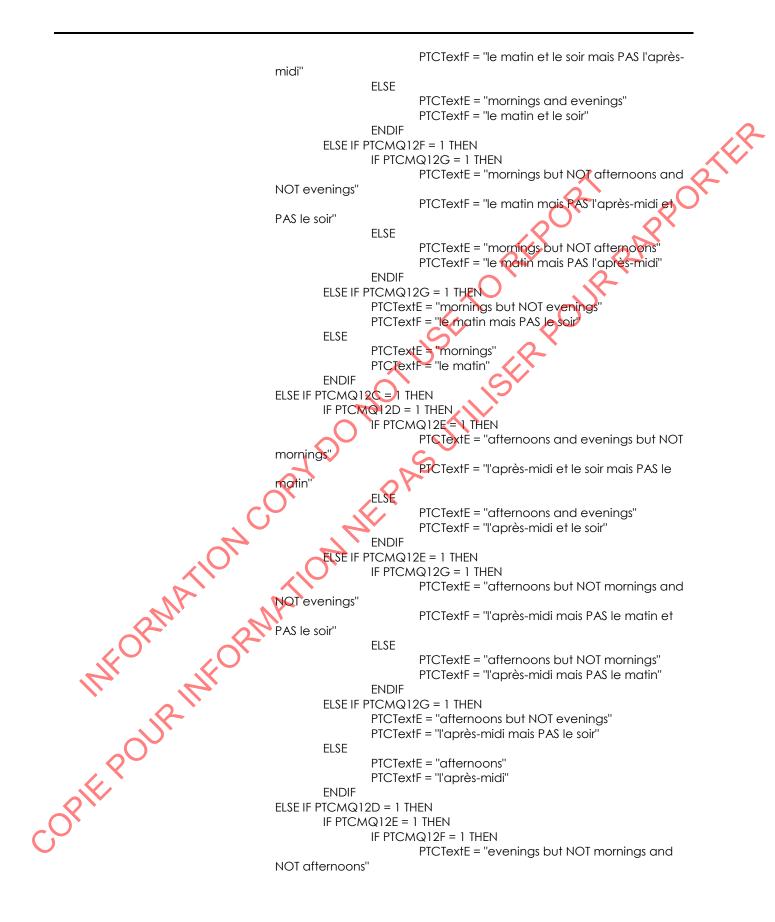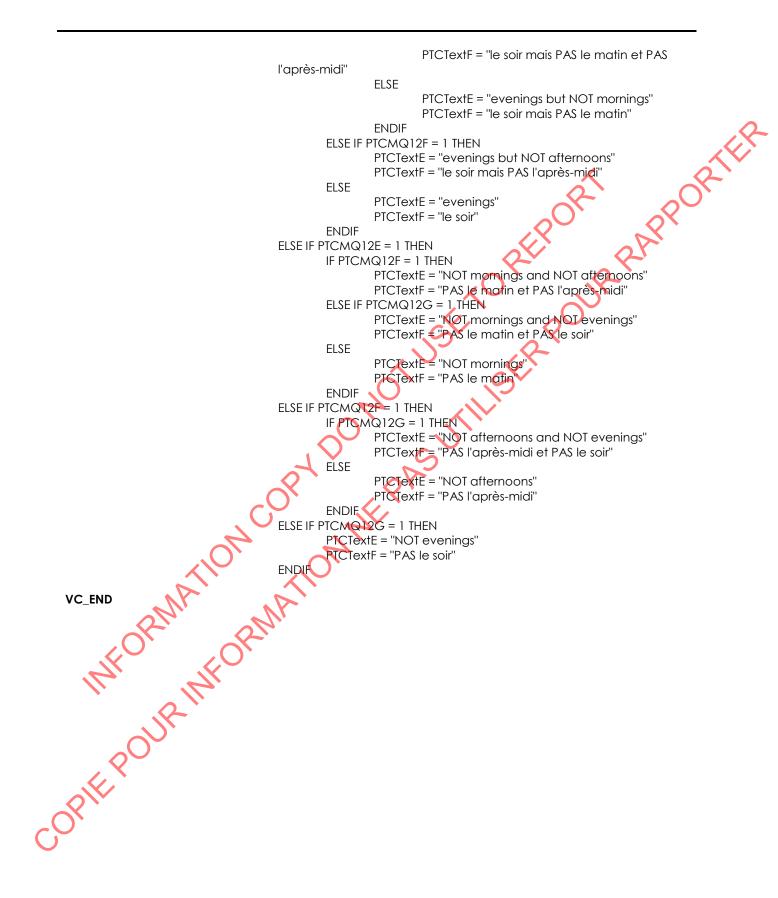   RespLangE = "French"

```
                    RespLangF = "Français"
ELSE IF ADM_N38 = 3, THEN
        RespLangE = "Chinese"
        RespLangF = "Chinois"
ELSE IF ADM_N38 = 4, THEN
        RespLangE = "Italian"
        RespLangF = "Italien"
ELSE IF ADM_N38 = 5, THEN
        RespLangE = "Punjabi"
        RespLangF = "Pendjabi"
ELSE IF ADM_N38 = 6, THEN
        RespLangE = "Spanish"
        RespLangF = "Espagnol"
ELSE IF ADM_N38 = 7, THEN
        RespLangE = "Portuguese"
        RespLangF = "Portugais"
ELSE IF ADM_N38 = 8, THEN
        RespLangE = "Polish"
        RespLangF = "Polonais"
ELSE IF ADM_N38 = 9, THEN
        RespLangE = "German"
        RespLangF = "Allemand"
ELSE IF ADM_N38 = 10, THEN
        RespLangE = "Vietnamese"
        RespLangF = "Vietnamien"
ELSE IF ADM_N38 = 11, THEN
        RespLangE = "Arabic"
        RespLangF = "Arabe"
ELSE IF ADM_N38 = 12, THEN
        RespLangE = "Tagalog (Filipino)"
        RespLangF = "Tagalog (Philippin)"
ELSE IF ADM_N38 = 13, THEN
        RespLangE = "Greek"
        RespLangF = "Grec"
ELSE IF ADM_N38 = 14, THEN
        RespLangE = "Tamil"
        RespLangF = "Tamoul"
ELSE IF ADM_N38 = 15, THEN
        RespLangE = "Cree"
        RespLangF = "Cri"
ELSE IF ADM_N38 = 16, THEN
        RespLangE = "Afghan"
        RespLangF = "Afghan"
ELSE IF ADM_N38 = 17, THEN
        RespLangE = "Cantonese"
        RespLangF = "Cantonais"
ELSE IF ADM_N38 = 18, THEN
        RespLangE = "Hindi"
        RespLangF = "Hindi"
ELSE IF ADM_N38 = 19, THEN
        RespLangE = "Mandarin"
        RespLangF = "Mandarin"
ELSE IF ADM_N38 = 20, THEN
        RespLangE = "Persian (Farsi)"
        RespLangF = "Persan (Farsi)"
ELSE IF ADM_N38 = 21, THEN
        RespLangE = "Russian"
```

```
                        RespLangF = "Russe"
        ELSE IF ADM_N38 = 22, THEN
                        RespLangE = "Ukrainian"
                        RespLangF = "Ukrainien"
        ELSE IF ADM_N38 = 23, THEN
                        RespLangE = "Urdu"
                        RespLangF = "Ourdou"
        ELSE IF ADM_N38 = 24, THEN
                        RespLangE = "Inuktitut"
                        RespLangF = "Inuktitut"
        ELSE IF ADM_N38 = 25, THEN
                        RespLangE = "Hungarian"
                        RespLangF = "Hongrois"
        ELSE IF ADM_N38 = 26, THEN
                        RespLangE = "Korean"
                        RespLangF = "Coréen"
        ELSE IF ADM_N38 = 27, THEN
                        RespLangE = "Serbo-Croatian"
                        RespLangF = "Serbo-croate"
        ELSE IF ADM_N38 = 28, THEN
                        RespLangE = "Gujarati"
                        RespLangF = "Gujarati"
        ELSE IF ADM_N38 = 29, THEN
                        RespLangE = "Dari"
                        RespLangF = "Dari"
        ELSE
                        RespLangE = "Other"
                        RespLangF = "Autre"
        ENDIF
```

RespNeedE: English text of the special needs of the respondent
RespNeedF: French text of the special needs of the respondent

```
IF CSN_N11 = 1 THEN
        IF CSNMN12A = 1 THEN
                        RespNeed01E = "Blind"
                        RespNeed01F = "Aveugle"
        ELSE
                        RespNeed01E = EMPTY
                        RespNeed01F = EMPTY
        ENDIF
        IF CSNMN12D = 1 THEN
                        RespNeed04E = "Deaf/ Hearing impaired"
                        RespNeed04F = "Sourd(e)/ Problème d'ouïe"
        ELSE
                        RespNeed04E = EMPTY
                        RespNeed04F = EMPTY
        ENDIF
        IF CSNMN12F = 1 THEN
                        IF CSN_N15 = 3 THEN
                                RespNeed06E = "Chinese interpreter
needed"
                                RespNeed06F = "Besoin d'un interprète du
chinois"
                        ELSE IF CSN_N15 = 4 THEN
                                RespNeed06E = "Italian interpreter needed"
```

RespNeed06F = "Besoin d'un interprète de l'italien"

ELSE IF CSN_N15 = 5 THEN
    RespNeed06E = "Punjabi interpreter needed"
    RespNeed06F = "Besoin d'un interprète du pendjabi "

ELSE IF CSN_N15 = 6 THEN
    RespNeed06E = "Spanish interpreter needed"
    RespNeed06F = "Besoin d'un interprète de l'espagnol"

ELSE IF CSN_N15 = 7 THEN
    RespNeed06E = "Portuguese interpreter needed"
    RespNeed06F = "Besoin d'un interprète du portugais"

ELSE IF CSN_N15 = 8 THEN
    RespNeed06E = "Polish interpreter needed"
    RespNeed06F = "Besoin d'un interprète du polonais"

ELSE IF CSN_N15 = 9 THEN
    RespNeed06E = "German interpreter needed"
    RespNeed06F = "Besoin d'un interprète de l'allemand"

ELSE IF CSN_N15 = 10 THEN
    RespNeed06E = "Vietnamese interpreter needed"
    RespNeed06F = "Besoin d'un interprète du vietnamien"

ELSE IF CSN_N15 = 11 THEN
    RespNeed06E = "Arabic interpreter needed"
    RespNeed06F = "Besoin d'un interprète de l'arabe"

ELSE IF CSN_N15 = 12 THEN
    RespNeed06E = "Tagalog (Filipino) interpreter needed"
    RespNeed06F = "Besoin d'un interprète du tagalog (philippin)"

ELSE IF CSN_N15 = 13 THEN
    RespNeed06E = "Greek interpreter needed"
    RespNeed06F = "Besoin d'un interprète du grec"

ELSE IF CSN_N15 = 14 THEN
    RespNeed06E = "Tamil interpreter needed"
    RespNeed06F = "Besoin d'un interprète du tamoul"

ELSE IF CSN_N15 = 15 THEN
    RespNeed06E = "Cree interpreter needed"
    RespNeed06F = "Besoin d'un interprète du cri"

ELSE IF CSN_N15 = 16 THEN
    RespNeed06E = "Afghan interpreter needed"
    RespNeed06F = "Besoin d'un interprète de l'afghan"

ELSE IF CSN_N15 = 17 THEN
    RespNeed06E = "Cantonese interpreter needed"

RespNeed06F = "Besoin d'un interprète du
cantonais"
ELSE IF CSN_N15 = 18 THEN
RespNeed06E = "Hindi interpreter needed"
RespNeed06F = "Besoin d'un interprète du
hindi"
ELSE IF CSN_N15 = 19 THEN
RespNeed06E = "Mandarin interpreter
needed"
RespNeed06F = "Besoin d'un interprète du
mandarin"
ELSE IF CSN_N15 = 20 THEN
RespNeed06E = "Persian (farsi) interpreter
needed"
RespNeed06F = "Besoin d'un interprète du
persan (farsi)"
ELSE IF CSN_N15 = 21 THEN
RespNeed06E = "Russian interpreter needed"
RespNeed06F = "Besoin d'un interprète du
russe"
ELSE IF CSN_N15 = 22 THEN
RespNeed06E = "Ukrainian interpreter
needed"
RespNeed06F = "Besoin d'un interprète de
l'ukrainien"
ELSE IF CSN_N15 = 23 THEN
RespNeed06E = "Urdu interpreter needed"
RespNeed06F = "Besoin d'un interprète de
l'ourdou"
ELSE IF CSN_N15 = 24 THEN
RespNeed06E = "Inuktitut interpreter needed"
RespNeed06F = "Besoin d'un interprète de
l'inuktitut"
ELSE IF CSN_N15 = 25 THEN
RespNeed06E = "Hungarian interpreter
needed"
RespNeed06F = "Besoin d'un interprète de
l'hongrois"
ELSE IF CSN_N15 = 26 THEN
RespNeed06E = "Korean interpreter needed"
RespNeed06F = "Besoin d'un interprète du
coréen"
ELSE IF CSN_N15 = 27 THEN
RespNeed06E = "Serbo-Croatian interpreter
needed"
RespNeed06F = "Besoin d'un interprète du
serbo-croate "
ELSE IF CSN_N15 = 28 THEN
RespNeed06E = "Gujarati interpreter needed"
RespNeed06F = "Besoin d'un interprète du
Gujarati"
ELSE IF CSN_N15 = 29 THEN
RespNeed06E = "Dari interpreter needed"
RespNeed06F = "Besoin d'un interprète du
dari"
ELSE IF CSN_N15 = 90 THEN

```
                                        RespNeed06E = "^CSN_S15 interpreter
needed"
                                        RespNeed06F = "Besoin d'un interprète du
^CSN_S15"
                                ELSE IF CSN_N14 = 1 AND ADM_N38 > 0 AND ADM_N38
< 90 THEN
                                        RespNeed06E = "^RespLangE interpreter
needed"
                                        RespNeed06F = "Besoin d'un interprète du
^RespLangF"
                                ELSE
                                        RespNeed06E = EMPTY
                                        RespNeed06F = EMPTY
                                ENDIF
                        ELSE
                                RespNeed06E = EMPTY
                                RespNeed06F = EMPTY
                        ENDIF
                        IF CSNMN12G = 1 THEN
                                RespNeed07E = "Lift/Elevator needed"
                                RespNeed07F = "Besoin d'ascenseur"
                        ELSE
                                RespNeed07E = EMPTY
                                RespNeed07F = EMPTY
                        ENDIF
                        IF CSNMN12H = 1 THEN
                                RespNeed08E = "Mentally impaired"
                                RespNeed08F = "Déficience mentale"
                        ELSE
                                RespNeed08E = EMPTY
                                RespNeed08F = EMPTY
                        ENDIF
                        IF CSNMN12J = 1 THEN
                                RespNeed10E = "Substance abuser"
                                RespNeed10F = "Toxicomane"
                        ELSE
                                RespNeed10E = EMPTY
                                RespNeed10F = EMPTY
                        ENDIF
                        IF CSNMN12L = 1 THEN
                                RespNeed12E = "Wheelchair needed"
                                RespNeed12F = "Besoin d'un fauteuil roulant"
                        ELSE
                                RespNeed12E = EMPTY
                                RespNeed12F = EMPTY
                        ENDIF
                        IF CSNMN12M = 1 THEN
                                RespNeed13E = CSN_S12
                                RespNeed13F = CSN_S12
                        ELSE
                                RespNeed13E = EMPTY
                                RespNeed13F = EMPTY
                        ENDIF
                         IF CSNMN12N = 1 THEN
                                RespNeed14E = "Female HMS requested"
                                RespNeed14F = "SMS féminin demandé"
                        ELSE
```

```
                              RespNeed14E = EMPTY
                              RespNeed14F = EMPTY
                  ENDIF
                   IF CSNMN12O = 1 THEN
                              RespNeed15E = "Male HMS requested"
                              RespNeed15F = "SMS masculin demandé"
                  ELSE
                              RespNeed15E = EMPTY
                              RespNeed15F = EMPTY
                  ENDIF
RespNeedE = RespNeed01E  RespNeed04E + RespNeed05E +
RespNeed06E + RespNeed07E + RespNeed08E + RespNeed10E +
RespNeed12E + RespNeed13E + RespNeed14E + RespNeed15E
(separated by slashes)

RespNeedF = RespNeed01F + RespNeed04F + RespNeed05F +
RespNeed06F + RespNeed07F + RespNeed08F + RespNeed10F +
RespNeed12F + RespNeed13F + RespNeed14F + RespNeed15F
(separated by slashes)
ELSE
        RespNeedE = EMPTY
        RespNeedF = EMPTY
ENDIF
```

TelephoneNumber1: 1st 10-digit telephone number from household
interview [in "(613) 951-1234" format]
TelephoneNumber2: 2nd 10-digit telephone number from household
interview [in "(613) 951-1234" format]
TelephoneNumber3: 3rd 10-digit telephone number from household
interview [in "(613) 951-1234" format]

BestPhoneNumber: BTN_CODE + BTN_TEL [in "(613) 951-1234" format]

PTCTextE: English text of preferred time to call
PTCTextF: French text of preferred time to call

```
IF PTCMQ12A =1 THEN
        PTCTextE = "ANY TIME"
        PTCTextF = "N'IMPORTE QUELLE HEURE"
ELSE IF PTCMQ12B = 1 THEN
        IF PTCMQ12C = 1 THEN
                IF PTCMQ12D = 1 THEN
                        PTCTextE = "ANY TIME"
                        PTCTextF = "N'IMPORTE QUELLE HEURE"
                ELSE IF PTCMQ12G = 1 THEN
                        PTCTextE = "mornings and afternoons but NOT
evenings"
                        PTCTextF = "le matin et l'après-midi mais PAS
le soir"
                ELSE
                        PTCTextE = "mornings and afternoons"
                        PTCTextF = "le matin et l'après-midi"
                ENDIF
        ELSE IF PTCMQ12D = 1 THEN
                IF PTCMQ12F = 1 THEN
                        PTCTextE = "mornings and evenings but NOT
afternoons"
```

```
                                    PTCTextF = "le matin et le soir mais PAS l'après-
midi"
                            ELSE
                                    PTCTextE = "mornings and evenings"
                                    PTCTextF = "le matin et le soir"
                            ENDIF
                    ELSE IF PTCMQ12F = 1 THEN
                            IF PTCMQ12G = 1 THEN
                                    PTCTextE = "mornings but NOT afternoons and
NOT evenings"
                                    PTCTextF = "le matin mais PAS l'après-midi et
PAS le soir"
                            ELSE
                                    PTCTextE = "mornings but NOT afternoons"
                                    PTCTextF = "le matin mais PAS l'après-midi"
                            ENDIF
                    ELSE IF PTCMQ12G = 1 THEN
                            PTCTextE = "mornings but NOT evenings"
                            PTCTextF = "le matin mais PAS le soir"
                    ELSE
                            PTCTextE = "mornings"
                            PTCTextF = "le matin"
                    ENDIF
            ELSE IF PTCMQ12C = 1 THEN
                    IF PTCMQ12D = 1 THEN
                            IF PTCMQ12E = 1 THEN
                                    PTCTextE = "afternoons and evenings but NOT
mornings"
                                    PTCTextF = "l'après-midi et le soir mais PAS le
matin"
                            ELSE
                                    PTCTextE = "afternoons and evenings"
                                    PTCTextF = "l'après-midi et le soir"
                            ENDIF
                    ELSE IF PTCMQ12E = 1 THEN
                            IF PTCMQ12G = 1 THEN
                                    PTCTextE = "afternoons but NOT mornings and
NOT evenings"
                                    PTCTextF = "l'après-midi mais PAS le matin et
PAS le soir"
                            ELSE
                                    PTCTextE = "afternoons but NOT mornings"
                                    PTCTextF = "l'après-midi mais PAS le matin"
                            ENDIF
                    ELSE IF PTCMQ12G = 1 THEN
                            PTCTextE = "afternoons but NOT evenings"
                            PTCTextF = "l'après-midi mais PAS le soir"
                    ELSE
                            PTCTextE = "afternoons"
                            PTCTextF = "l'après-midi"
                    ENDIF
            ELSE IF PTCMQ12D = 1 THEN
                    IF PTCMQ12E = 1 THEN
                            IF PTCMQ12F = 1 THEN
                                    PTCTextE = "evenings but NOT mornings and
NOT afternoons"
```

```
                                        PTCTextF = "le soir mais PAS le matin et PAS
l'après-midi"
                        ELSE
                                        PTCTextE = "evenings but NOT mornings"
                                        PTCTextF = "le soir mais PAS le matin"
                        ENDIF
                ELSE IF PTCMQ12F = 1 THEN
                        PTCTextE = "evenings but NOT afternoons"
                        PTCTextF = "le soir mais PAS l'après-midi"
                ELSE
                        PTCTextE = "evenings"
                        PTCTextF = "le soir"
                ENDIF
        ELSE IF PTCMQ12E = 1 THEN
                IF PTCMQ12F = 1 THEN
                        PTCTextE = "NOT mornings and NOT afternoons"
                        PTCTextF = "PAS le matin et PAS l'après-midi"
                ELSE IF PTCMQ12G = 1 THEN
                        PTCTextE = "NOT mornings and NOT evenings"
                        PTCTextF = "PAS le matin et PAS le soir"
                ELSE
                        PTCTextE = "NOT mornings"
                        PTCTextF = "PAS le matin"
                ENDIF
        ELSE IF PTCMQ12F = 1 THEN
                IF PTCMQ12G = 1 THEN
                        PTCTextE = "NOT afternoons and NOT evenings"
                        PTCTextF = "PAS l'après-midi et PAS le soir"
                ELSE
                        PTCTextE = "NOT afternoons"
                        PTCTextF = "PAS l'après-midi"
                ENDIF
        ELSE IF PTCMQ12G = 1 THEN
                PTCTextE = "NOT evenings"
                PTCTextF = "PAS le soir"
        ENDIF
```

VC_END

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